

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070192.D
 Acq On : 18 Dec 2021 4:07
 Operator : JC/MD
 Sample : M5132-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Dec 19 07:22:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1140326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2169273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2588822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1054128	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	910312	51.703	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.400%
35) Dibromofluoromethane	8.024	113	637046	46.883	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.760%
50) Toluene-d8	10.441	98	2891498	52.997	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.000%
62) 4-Bromofluorobenzene	12.731	95	1288535	65.190	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	130.380%

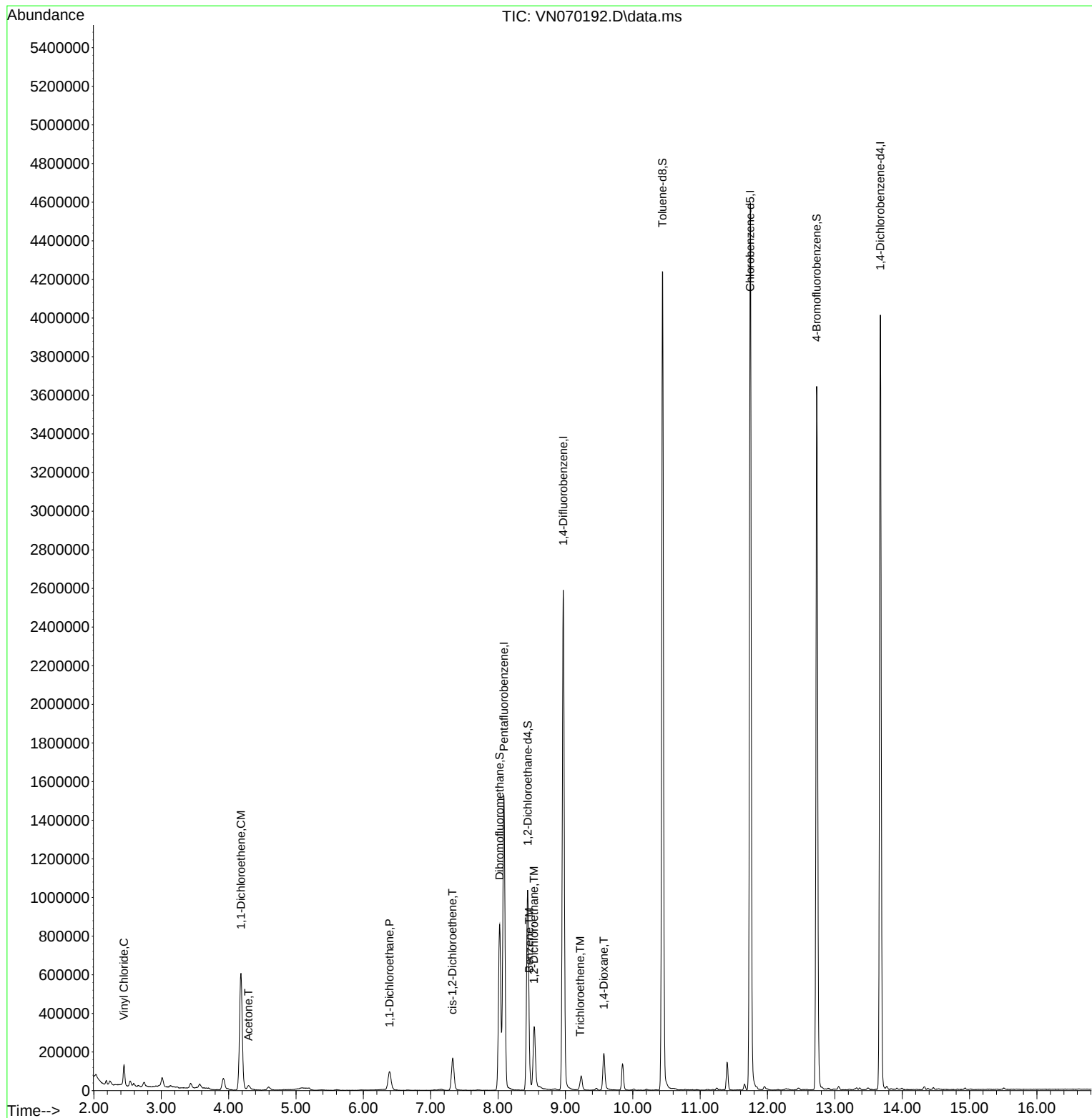
Target Compounds						Qvalue
4) Vinyl Chloride	2.446	62	99462	6.492	ug/l	99
12) 1,1-Dichloroethene	4.183	96	336611	30.990	ug/l	87
16) Acetone	4.293	43	36938	3.488	ug/l	98
24) 1,1-Dichloroethane	6.388	63	139577	5.632	ug/l	98
27) cis-1,2-Dichloroethene	7.324	96	94679	6.642	ug/l	95
40) Benzene	8.461	78	24480	0.388	ug/l	99
42) 1,2-Dichloroethane	8.534	62	44756	1.756	ug/l	97
44) Trichloroethene	9.220	130	6579	0.437	ug/l	83
49) 1,4-Dioxane	9.572	88	148389	389.607	ug/l	86

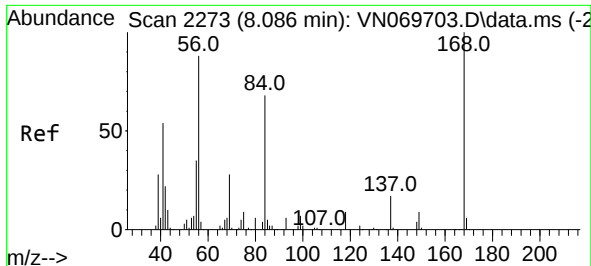
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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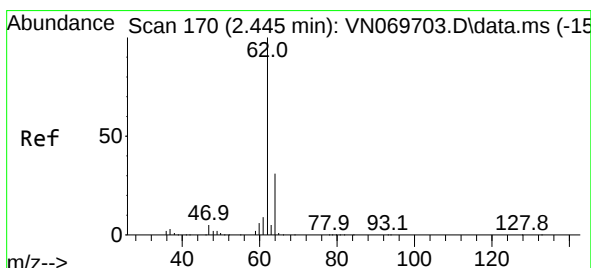
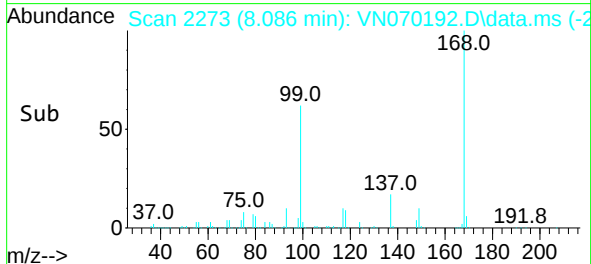
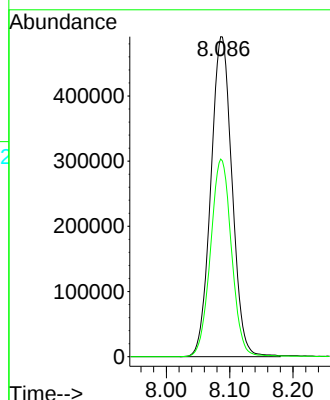
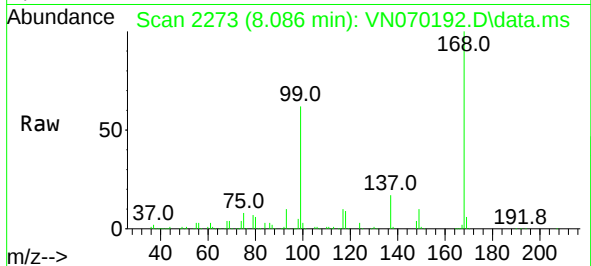




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070192.D
Acq: 18 Dec 2021 4:07

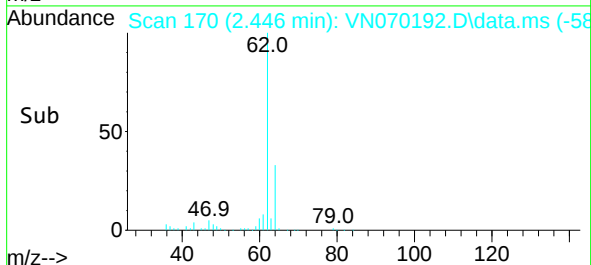
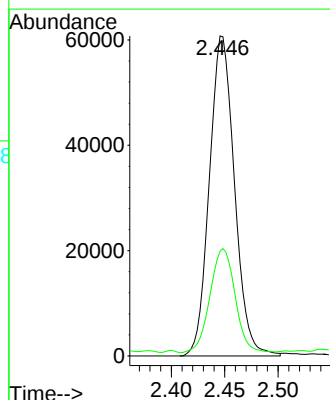
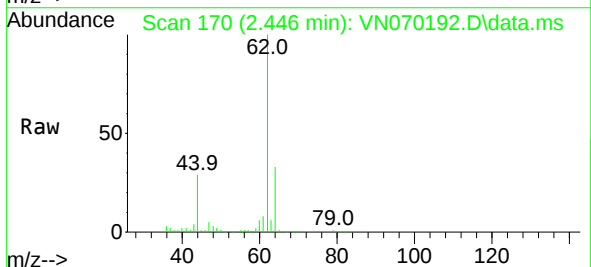
Instrument :
MSVOA_N
ClientSampleId :
MW-2

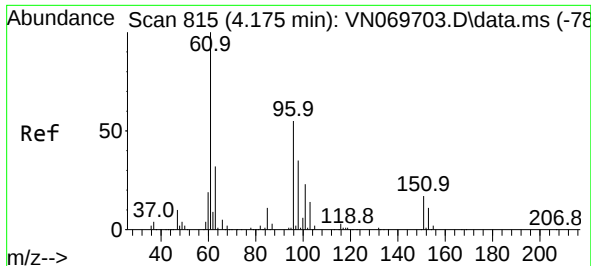
Tgt Ion:168 Resp: 1140326
Ion Ratio Lower Upper
168 100
99 61.7 41.3 61.9



#4
Vinyl Chloride
Concen: 6.492 ug/l
RT: 2.446 min Scan# 170
Delta R.T. 0.000 min
Lab File: VN070192.D
Acq: 18 Dec 2021 4:07

Tgt Ion: 62 Resp: 99462
Ion Ratio Lower Upper
62 100
64 31.7 25.8 38.6

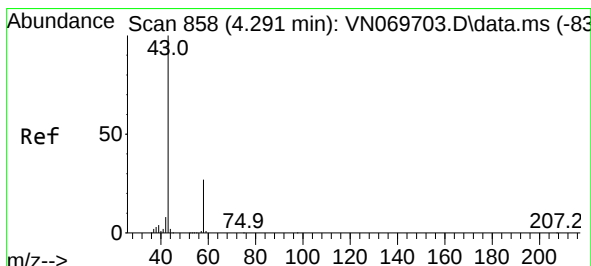
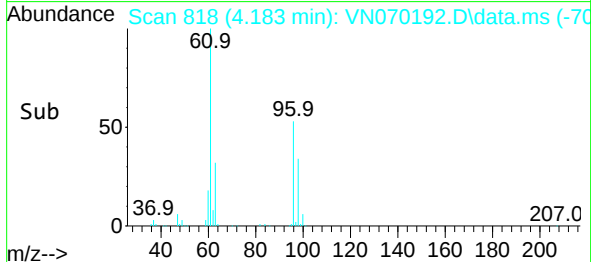
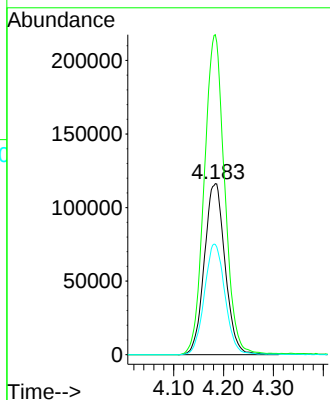
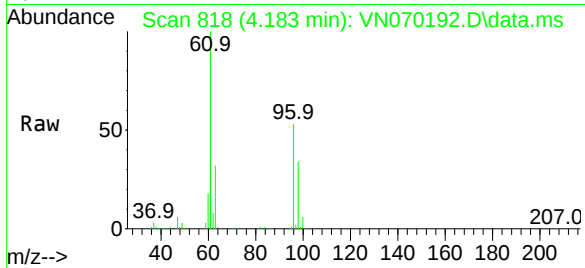




#12
1,1-Dichloroethene
Concen: 30.990 ug/l
RT: 4.183 min Scan# 815
Delta R.T. 0.008 min
Lab File: VN070192.D
Acq: 18 Dec 2021 4:07

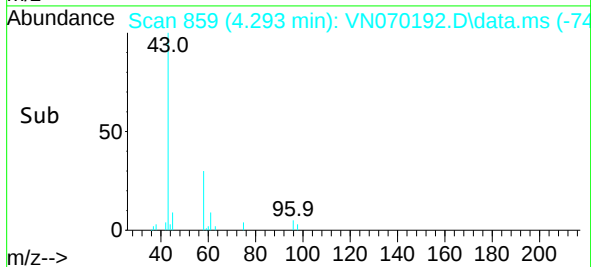
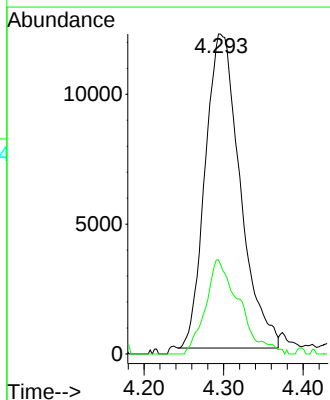
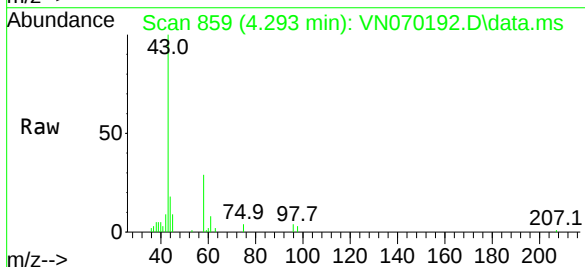
Instrument :
MSVOA_N
ClientSampleId :
MW-2

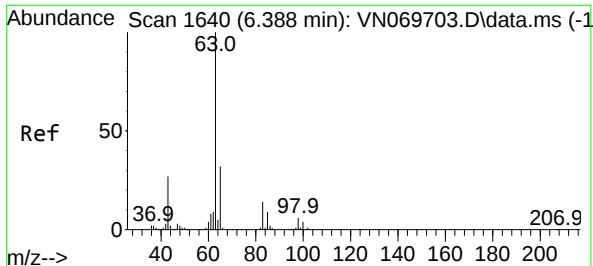
Tgt Ion: 96 Resp: 336611
Ion Ratio Lower Upper
96 100
61 187.1 131.0 196.6
98 64.5 52.4 78.6



#16
Acetone
Concen: 3.488 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN070192.D
Acq: 18 Dec 2021 4:07

Tgt Ion: 43 Resp: 36938
Ion Ratio Lower Upper
43 100
58 30.0 23.1 34.7





#24

1,1-Dichloroethane

Concen: 5.632 ug/l

RT: 6.388 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN070192.D

Acq: 18 Dec 2021 4:07

Instrument :

MSVOA_N

ClientSampleId :

MW-2

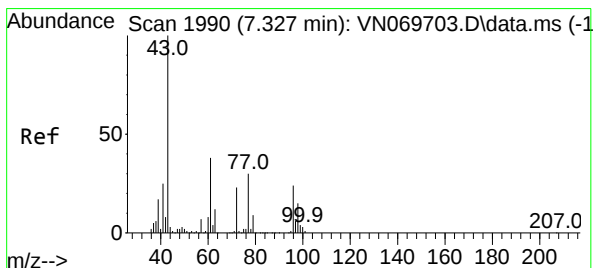
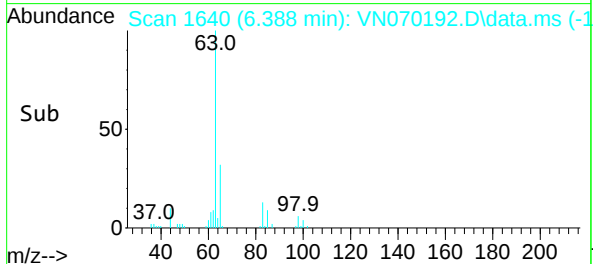
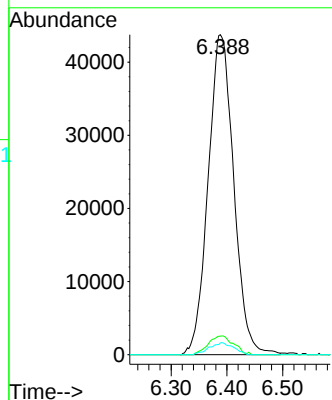
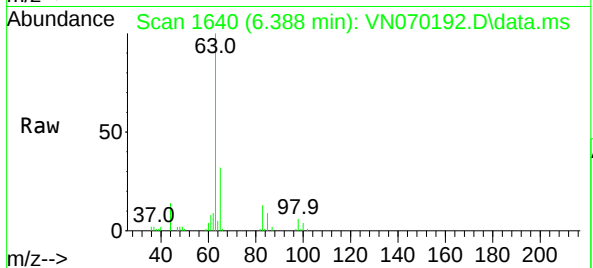
Tgt Ion: 63 Resp: 139577

Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.9

100 3.7 2.1 6.5



#27

cis-1,2-Dichloroethene

Concen: 6.642 ug/l

RT: 7.324 min Scan# 1989

Delta R.T. -0.002 min

Lab File: VN070192.D

Acq: 18 Dec 2021 4:07

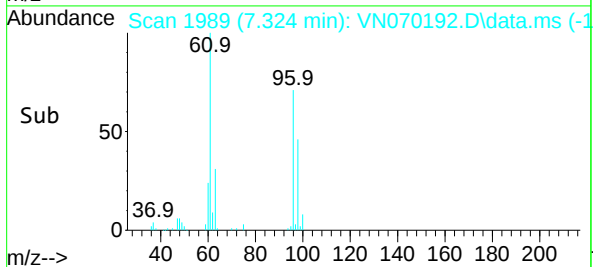
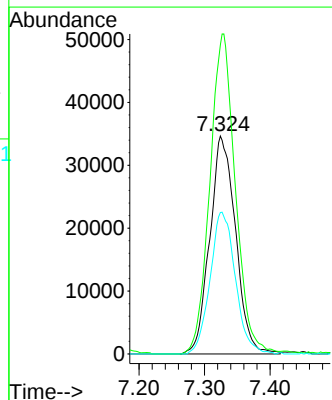
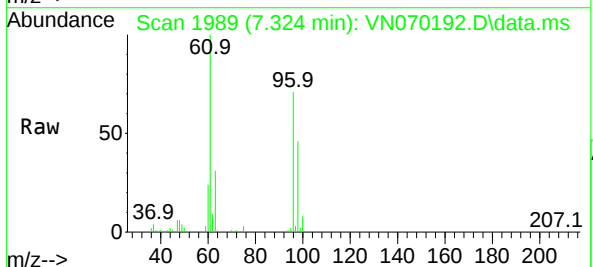
Tgt Ion: 96 Resp: 94679

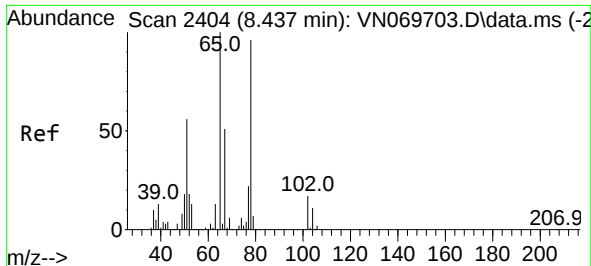
Ion Ratio Lower Upper

96 100

61 144.8 0.0 275.0

98 63.8 0.0 129.6





#33

1,2-Dichloroethane-d4

Concen: 51.703 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070192.D

Acq: 18 Dec 2021 4:07

Instrument :

MSVOA_N

ClientSampleId :

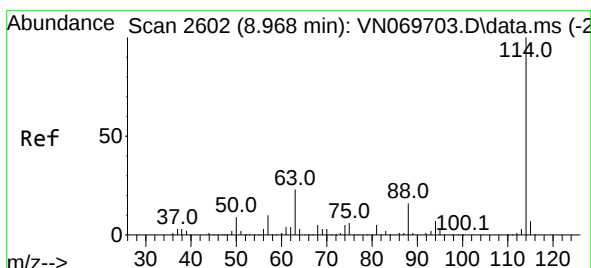
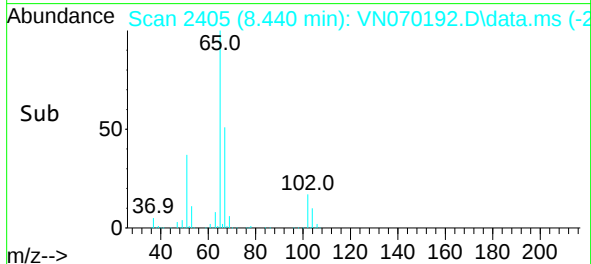
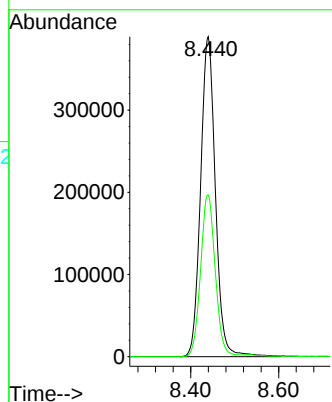
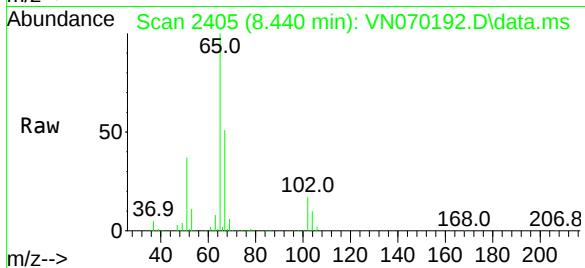
MW-2

Tgt Ion: 65 Resp: 910312

Ion Ratio Lower Upper

65 100

67 50.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070192.D

Acq: 18 Dec 2021 4:07

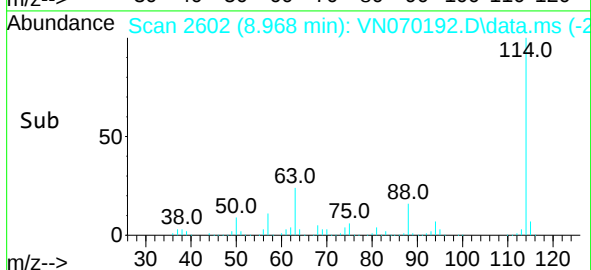
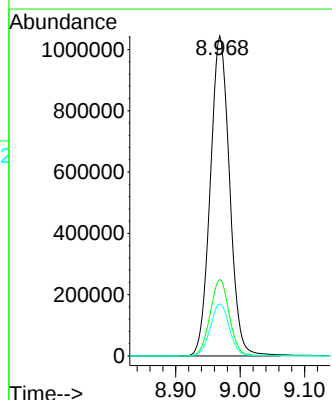
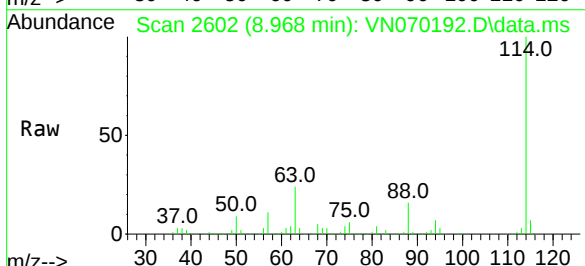
Tgt Ion: 114 Resp: 2169273

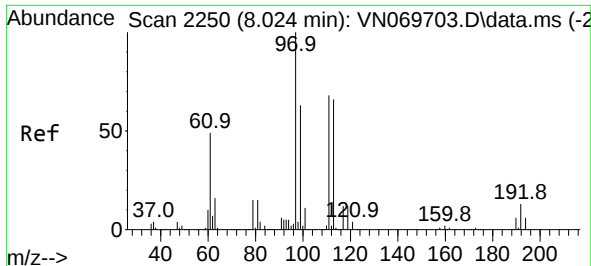
Ion Ratio Lower Upper

114 100

63 23.9 0.0 37.8

88 16.2 0.0 27.4

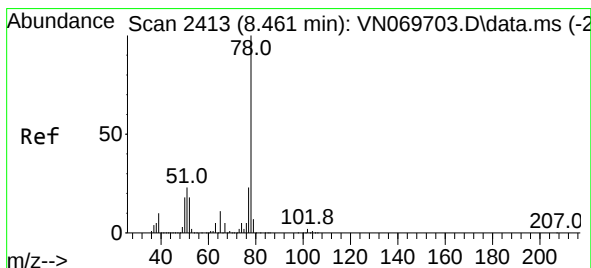
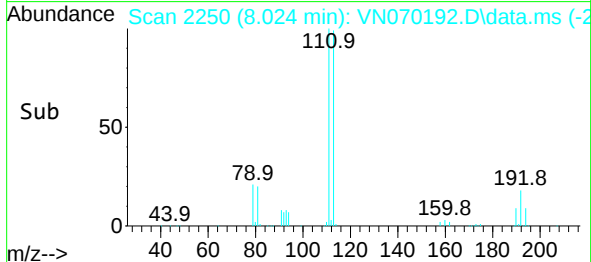
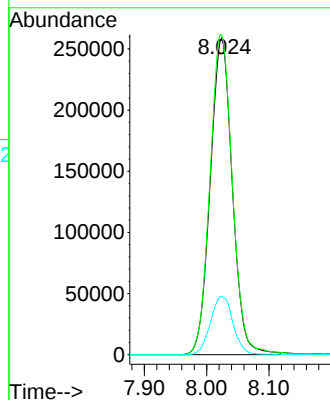
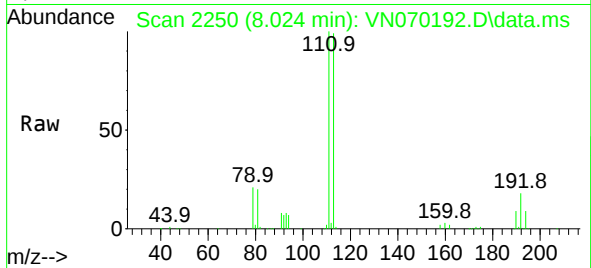




#35
 Dibromofluoromethane
 Concen: 46.883 ug/l
 RT: 8.024 min Scan# 2113
 Delta R.T. 0.000 min
 Lab File: VN070192.D
 Acq: 18 Dec 2021 4:07

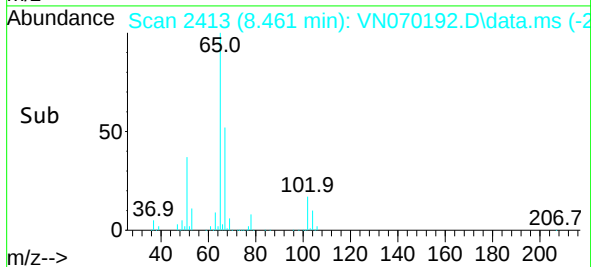
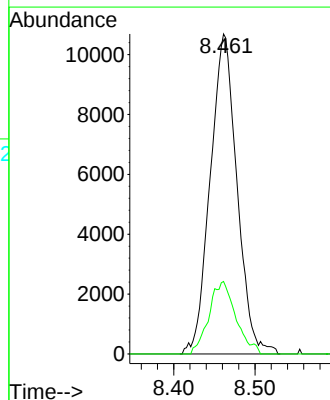
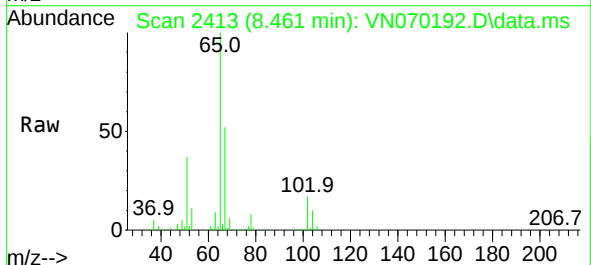
Instrument :
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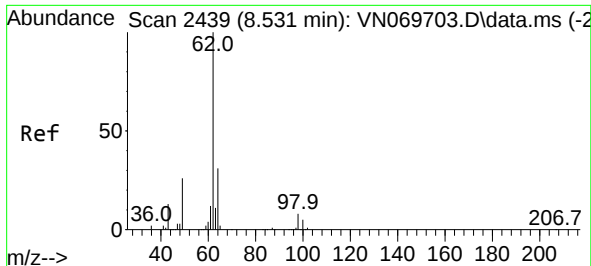
Tgt Ion:113 Resp: 637046
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.2
 192 18.9 16.9 25.3



#40
 Benzene
 Concen: 0.388 ug/l
 RT: 8.461 min Scan# 2413
 Delta R.T. 0.000 min
 Lab File: VN070192.D
 Acq: 18 Dec 2021 4:07

Tgt Ion: 78 Resp: 24480
 Ion Ratio Lower Upper
 78 100
 77 22.7 18.6 27.8





#42

1,2-Dichloroethane

Concen: 1.756 ug/l

RT: 8.534 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN070192.D

Acq: 18 Dec 2021 4:07

Instrument :

MSVOA_N

ClientSampleId :

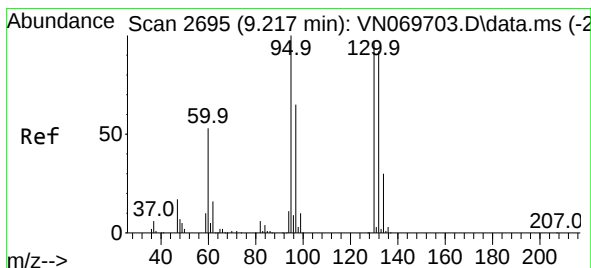
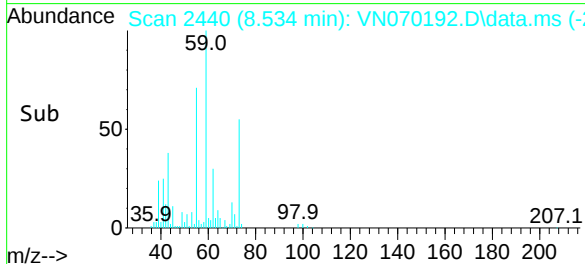
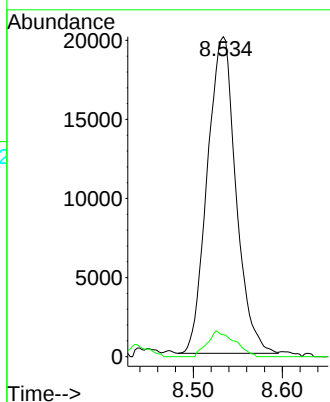
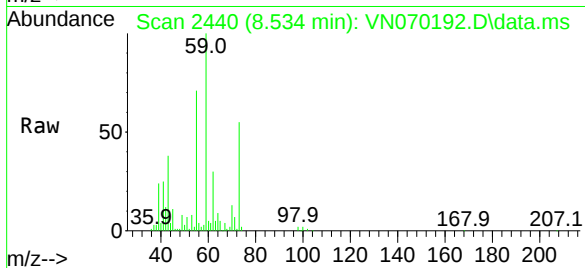
MW-2

Tgt Ion: 62 Resp: 44756

Ion Ratio Lower Upper

62 100

98 7.7 0.0 17.6



#44

Trichloroethene

Concen: 0.437 ug/l

RT: 9.220 min Scan# 2696

Delta R.T. 0.003 min

Lab File: VN070192.D

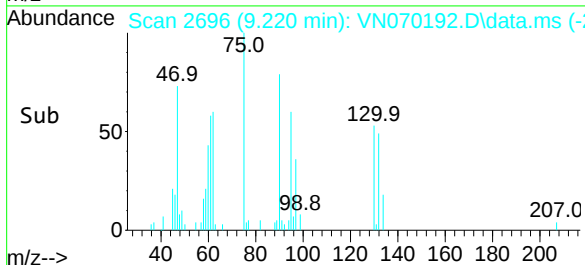
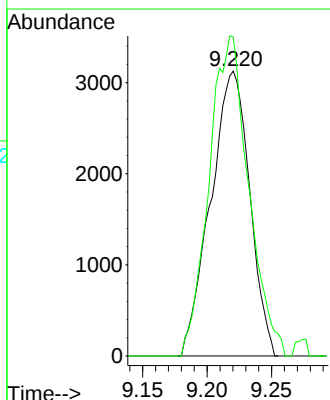
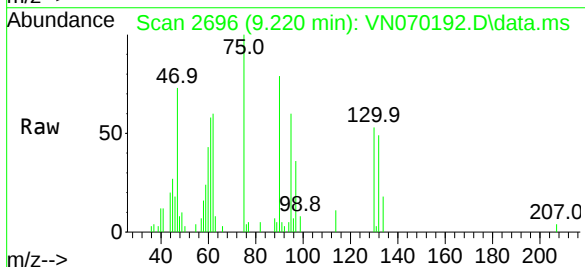
Acq: 18 Dec 2021 4:07

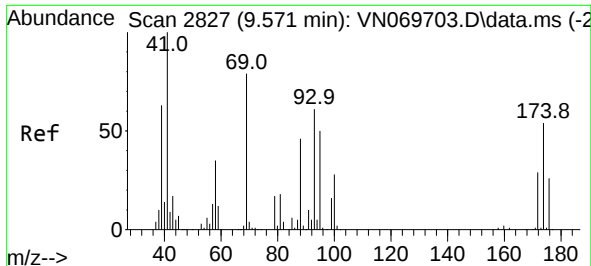
Tgt Ion: 130 Resp: 6579

Ion Ratio Lower Upper

130 100

95 112.0 0.0 191.2





#49

1,4-Dioxane

Concen: 389.607 ug/l

RT: 9.572 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN070192.D

Acq: 18 Dec 2021 4:07

Instrument :

MSVOA_N

ClientSampleId :

MW-2

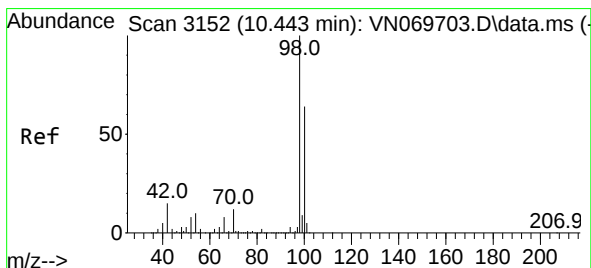
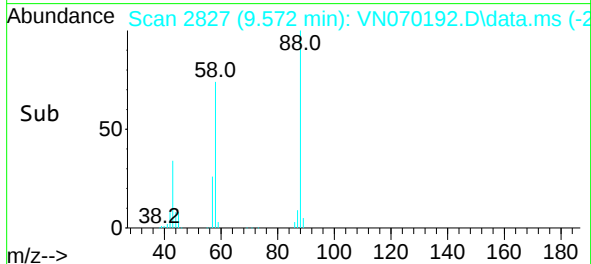
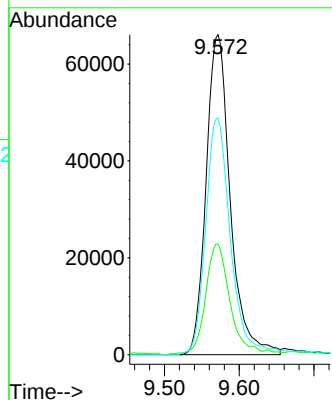
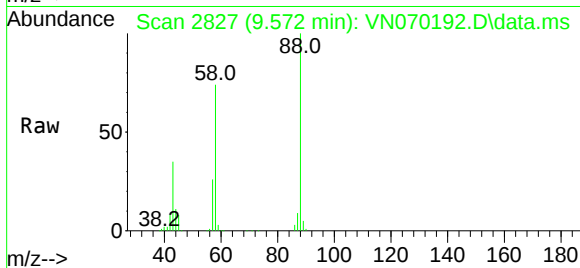
Tgt Ion: 88 Resp: 148389

Ion Ratio Lower Upper

88 100

43 34.7 23.4 35.2

58 75.1 50.6 75.8



#50

Toluene-d8

Concen: 52.997 ug/l

RT: 10.441 min Scan# 3151

Delta R.T. -0.002 min

Lab File: VN070192.D

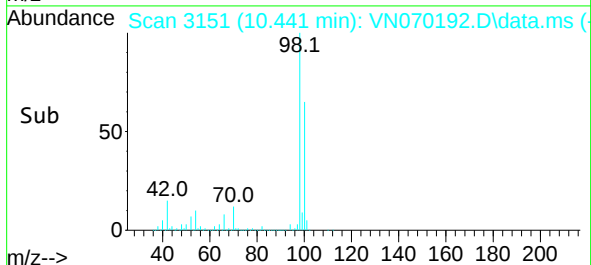
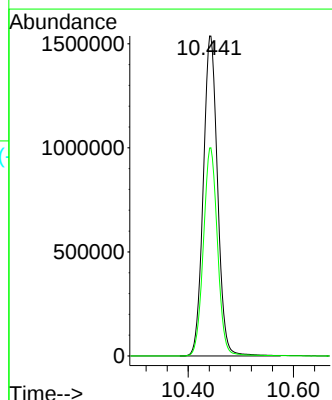
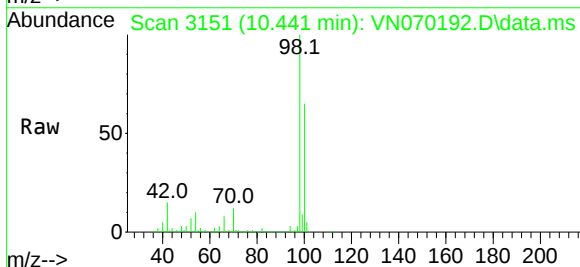
Acq: 18 Dec 2021 4:07

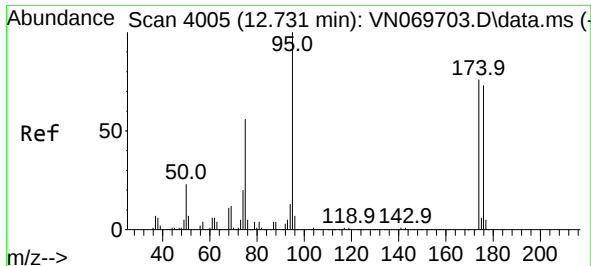
Tgt Ion: 98 Resp: 2891498

Ion Ratio Lower Upper

98 100

100 64.5 50.4 75.6

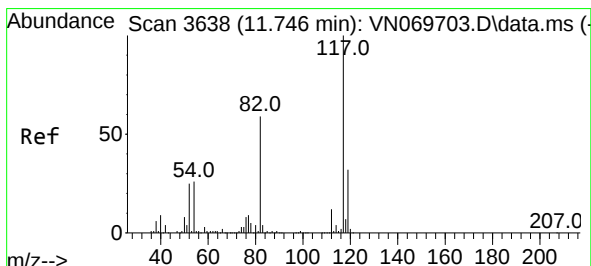
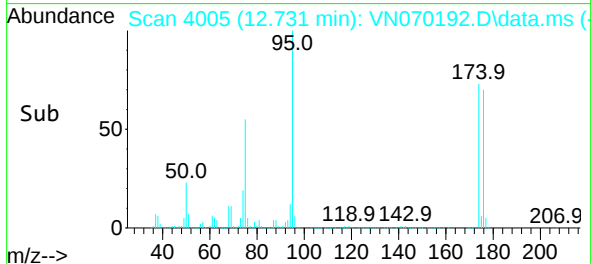
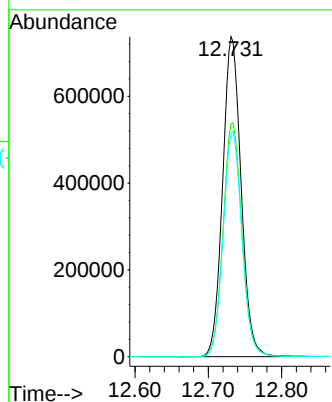
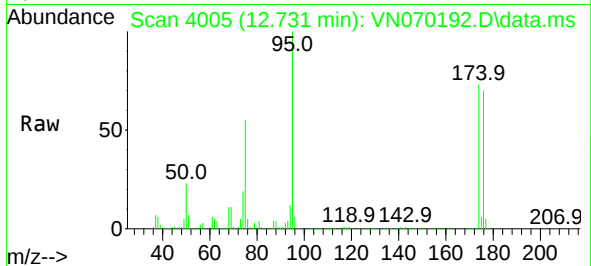




#62
4-Bromofluorobenzene
Concen: 65.190 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070192.D
Acq: 18 Dec 2021 4:07

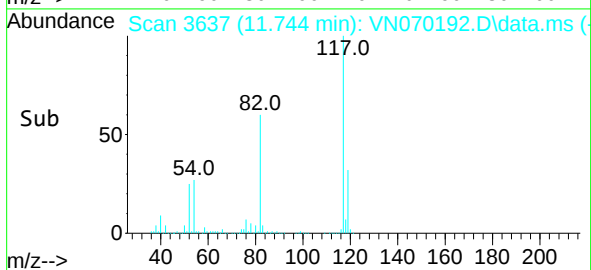
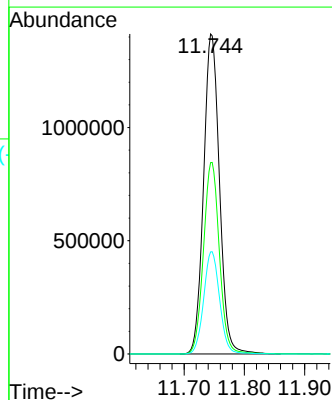
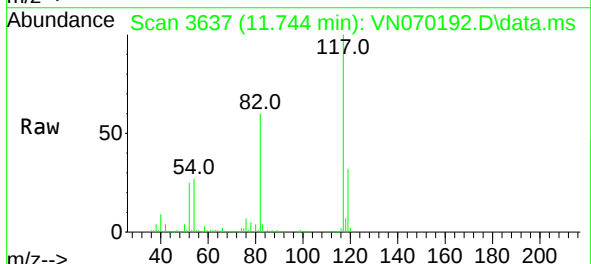
Instrument :
MSVOA_N
ClientSampleId :
MW-2

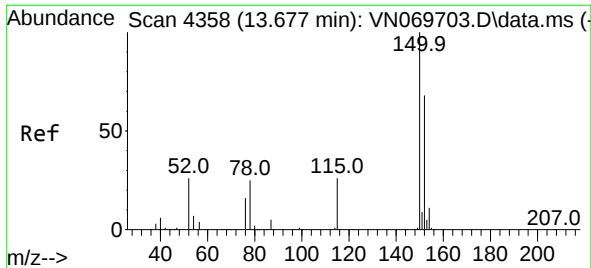
Tgt Ion: 95 Resp: 1288535
Ion Ratio Lower Upper
95 100
174 74.6 0.0 187.2
176 71.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070192.D
Acq: 18 Dec 2021 4:07

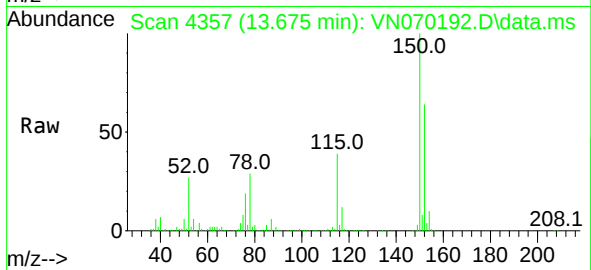
Tgt Ion: 117 Resp: 2588822
Ion Ratio Lower Upper
117 100
82 59.8 42.4 63.6
119 31.9 25.4 38.2





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.002 min
 Lab File: VN070192.D
 Acq: 18 Dec 2021 4:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2



Tgt Ion:152 Resp: 1054128

Ion	Ratio	Lower	Upper
152	100		
115	61.4	27.5	82.5
150	158.3	0.0	344.4

