

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036654.D
 Acq On : 2 Apr 2021 21:00
 Operator : SY/AP
 Sample : M1841-07DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-2DL2

Manual Integrations
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Quant Time: Apr 04 16:49:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1284880	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3338753	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2968619	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2322485	9.82	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	38445m	4.218	ppbv	
15) Acetone	3.84	43	568314m	4.494	ppbv	
19) Isopropyl Alcohol	3.98	45	348975m	5.016	ppbv	

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

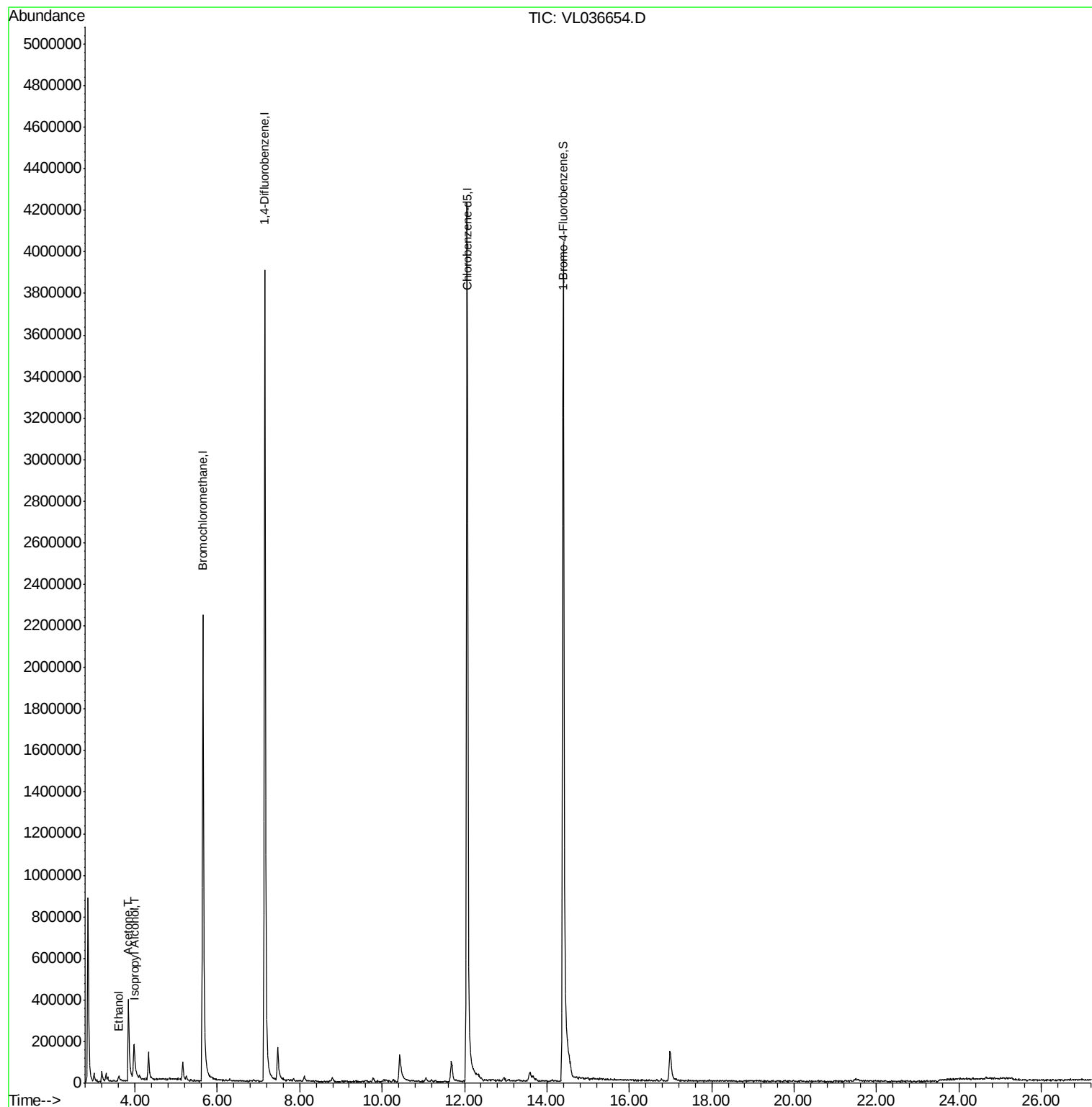
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\
Data File : VL036654.D
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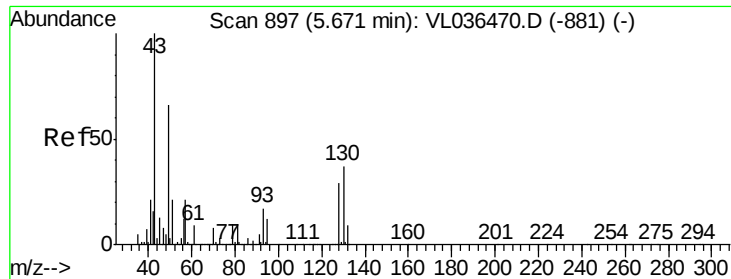
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
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QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL036654.D

Acq: 2 Apr 2021 21:00

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-2DL2

Tot Ion: 49 Resp: 1284880

Ion Ratio Lower Upper

49 100

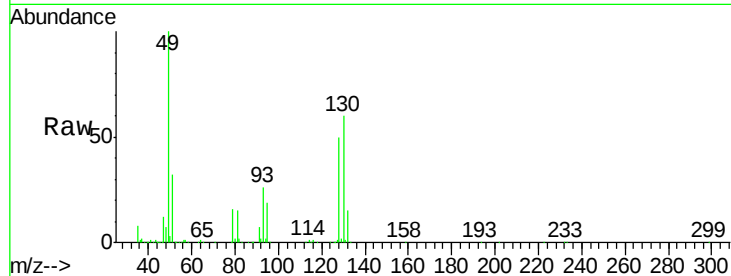
128 49.9 23.5 70.6

130 62.5 29.1 87.4

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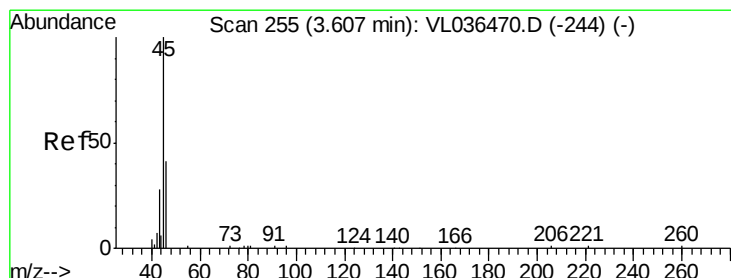
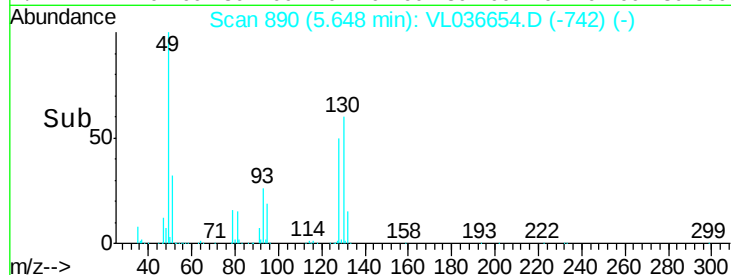
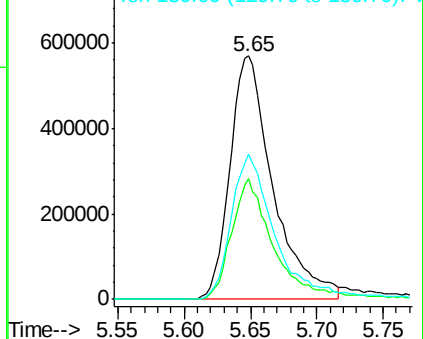
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 4.218 ppbv m

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL036654.D

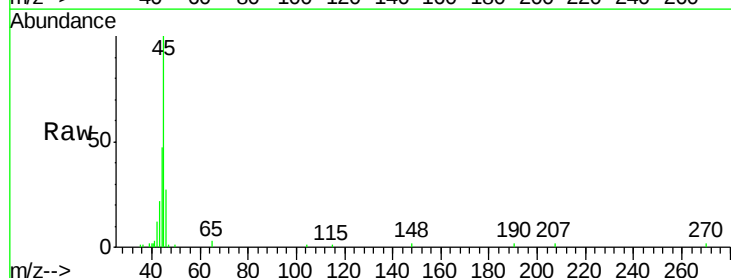
Acq: 2 Apr 2021 21:00

Tgt Ion: 45 Resp: 38445

Ion Ratio Lower Upper

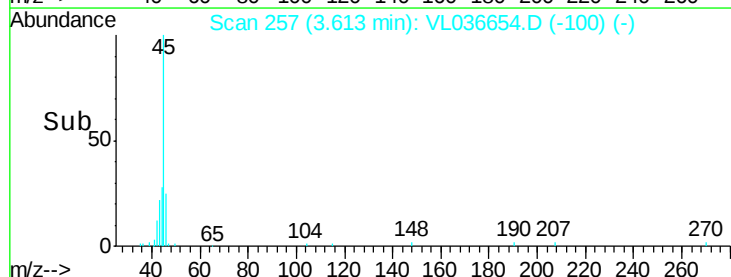
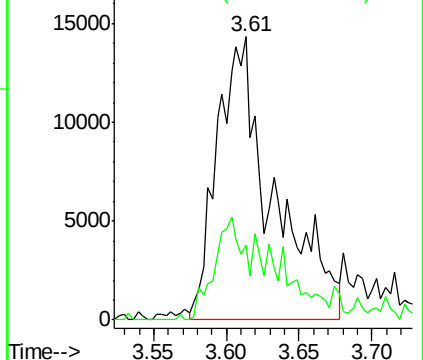
45 100

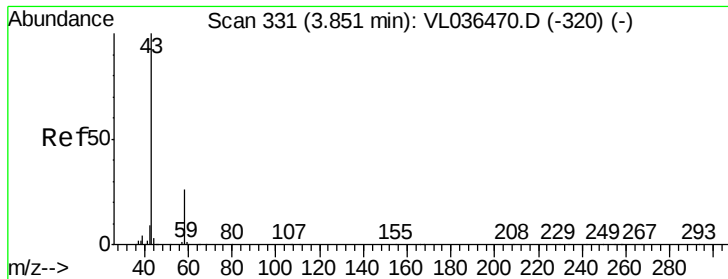
46 0.0 16.6 66.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





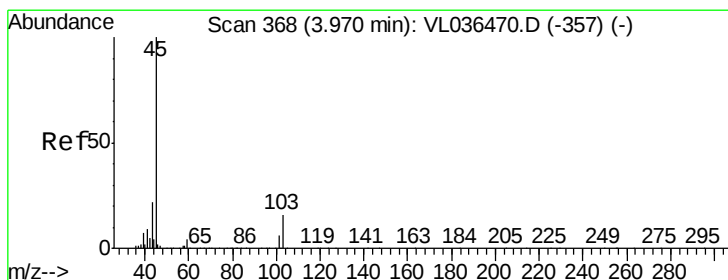
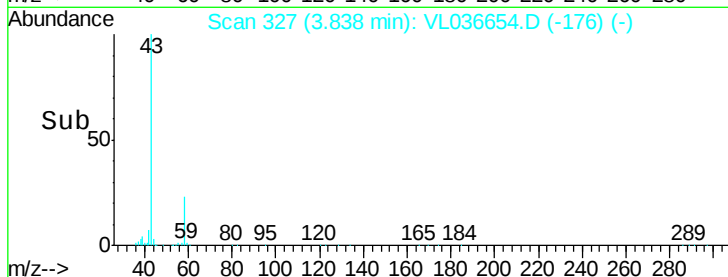
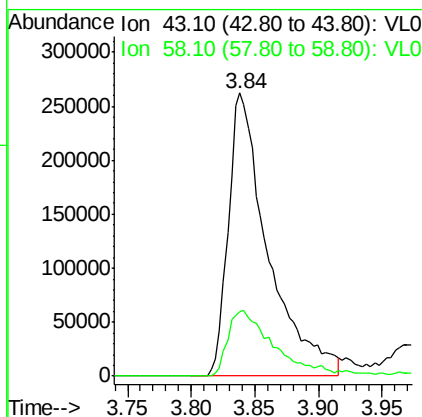
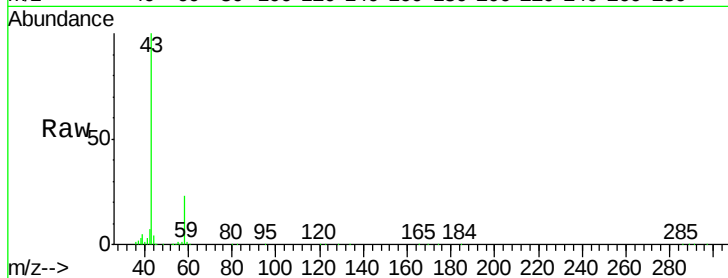
#15
Acetone
Concen: 4.494 ppbv m
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL036654.D
Acq: 2 Apr 2021 21:00

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-2DL2

Tot Ion	Ratio	Lower	Upper
43	100		
58	27.9	21.2	31.8

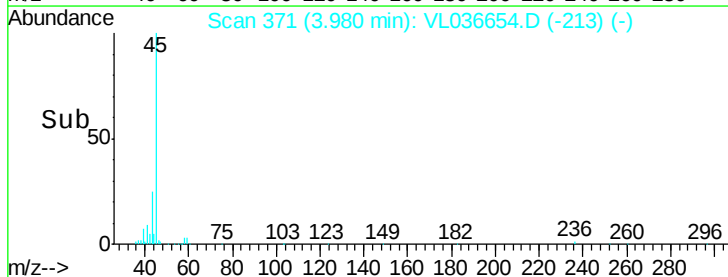
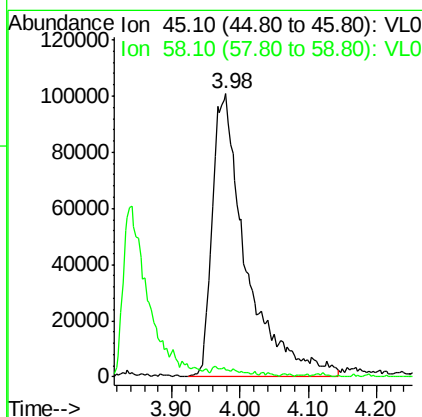
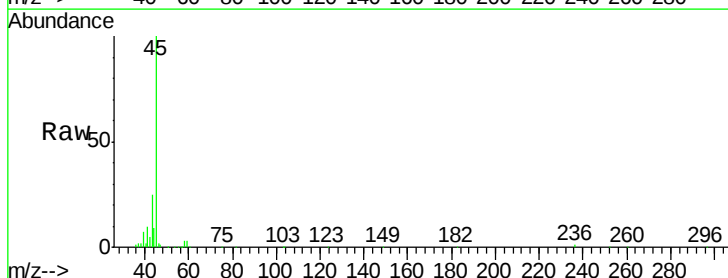
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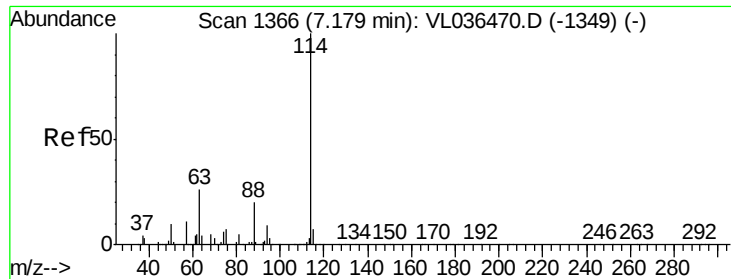
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#19
Isopropyl Alcohol
Concen: 5.016 ppbv m
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL036654.D
Acq: 2 Apr 2021 21:00

Tgt Ion	Ratio	Lower	Upper
45	100		
58	1.6	2.9	4.3#





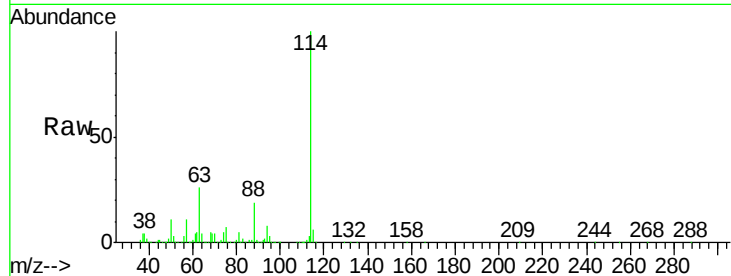
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VL036654.D
 Acq: 2 Apr 2021 21:00

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-2DL2

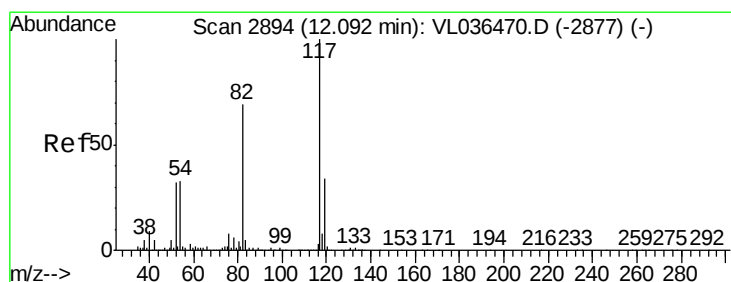
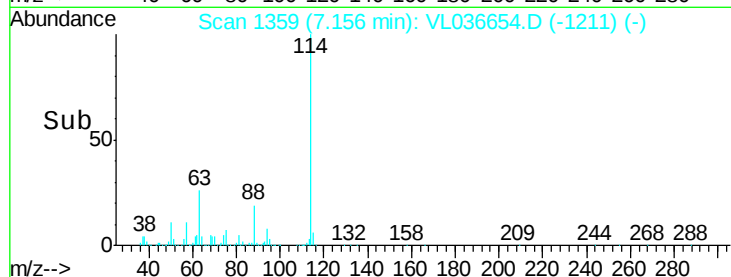
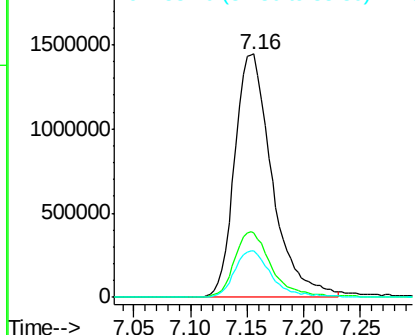
Tot Ion	Ratio	Lower	Upper
114	100		
63	27.3	22.4	33.6
88	19.2	15.4	23.0

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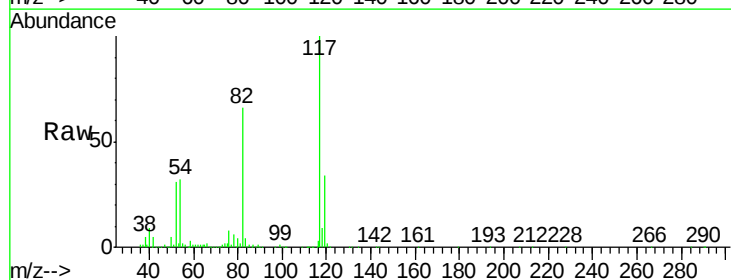


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

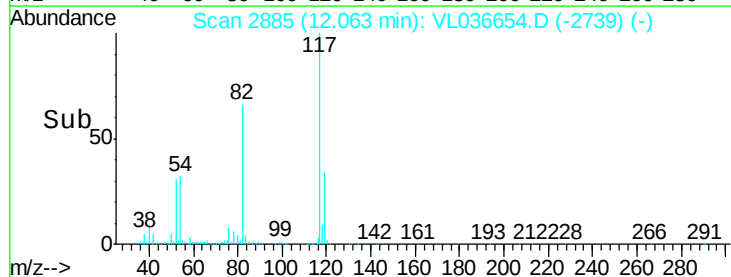
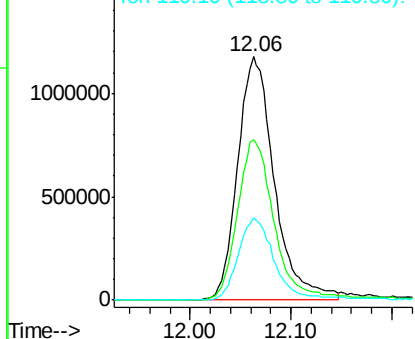


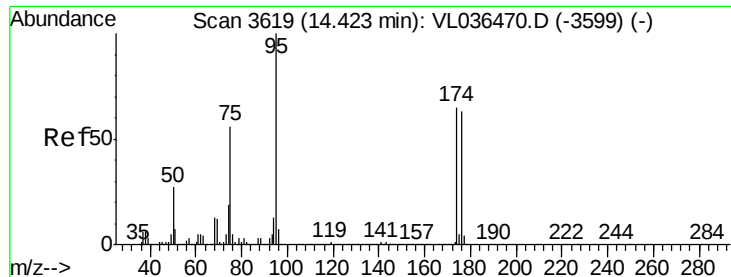
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2885
 Delta R.T. -0.03 min
 Lab File: VL036654.D
 Acq: 2 Apr 2021 21:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.6	57.4	86.0
119	34.1	47.4	71.0#



Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.816 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.03 min
 Lab File: VL036654.D
 Acq: 2 Apr 2021 21:00

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-2DL2

Tot Ion	Ratio	Lower	Upper
95	100		
174	71.4	51.0	76.6
175	5.7	3.9	5.9

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