

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030121\
 Data File : VL036414.D
 Acq On : 1 Mar 2021 14:39
 Operator : SY/AP
 Sample : M1463-14DLUP 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 02 02:40:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1569102	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.20	114	3314341	10.00	ppbv	0.05
55) Chlorobenzene-d5	12.12	117	2915099	10.00	ppbv	0.06

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2234706	9.32	ppbv	0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.20%

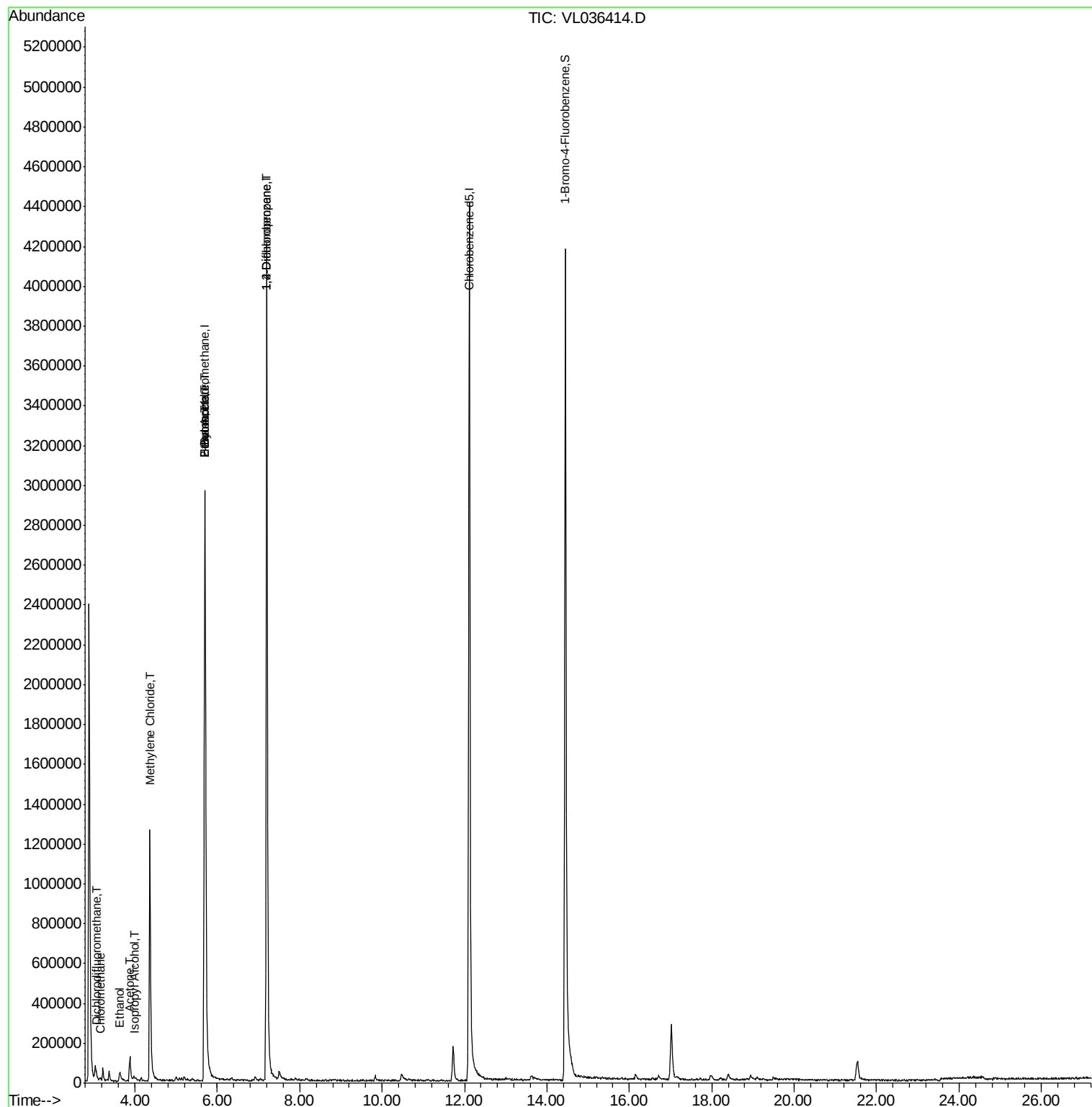
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	27516	0.117 ppbv	100
4) Chloromethane	3.15	50	5328	0.057 ppbv	99
13) Ethanol	3.63	45	27035	1.980 ppbv #	32
15) Acetone	3.88	43	160154	0.835 ppbv	93
19) Isopropyl Alcohol	4.00	45	5756	0.054 ppbv #	93
20) Methylene Chloride	4.37	84	499203	8.067 ppbv	94
25) Ethyl Acetate	5.71	43	435090	1.175 ppbv #	77
26) Hexane	5.71	57	595299	3.913 ppbv #	38
34) 2-Butanone	5.71	43	431718	1.960 ppbv #	55
39) 1,2-Dichloropropane	7.20	63	961335	8.406 ppbv #	23

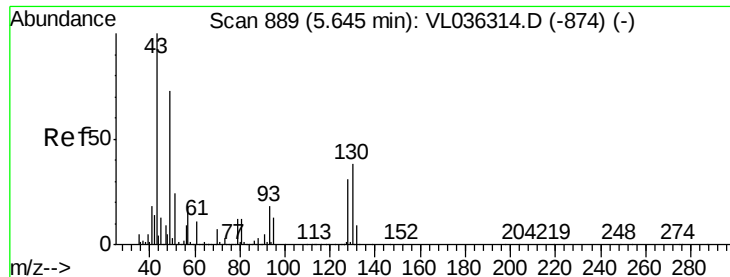
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
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QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.04 min

Lab File: VL036414.D

Acq: 1 Mar 2021 14:39

Instrument :

MSVOA_L

ClientSampleId :

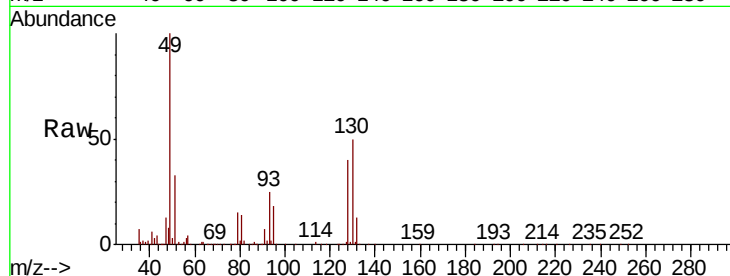
Tot Ion: 49 Resp: 1569102

Ion Ratio Lower Upper

49 100

128 41.5 20.8 62.5

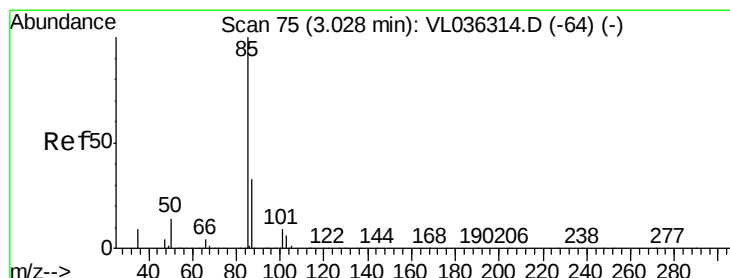
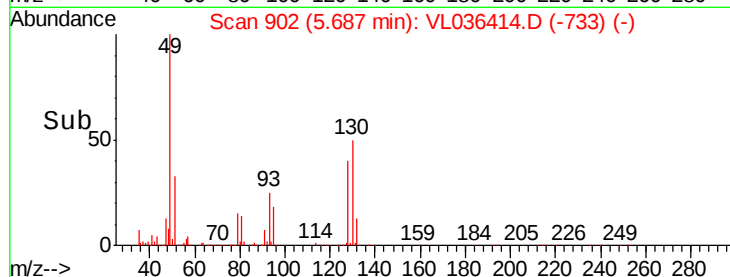
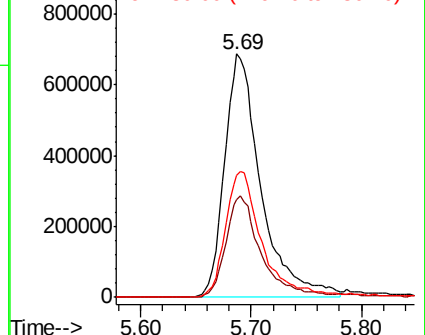
130 53.7 26.7 80.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.117 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.04 min

Lab File: VL036414.D

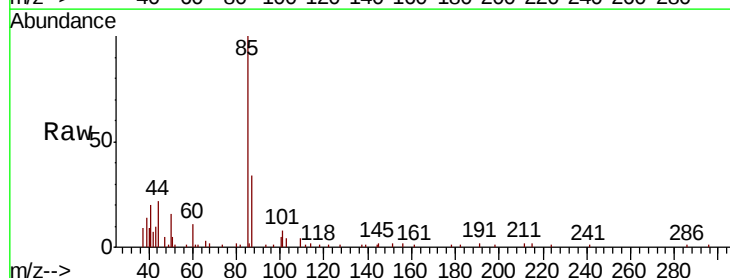
Acq: 1 Mar 2021 14:39

Tgt Ion: 85 Resp: 27516

Ion Ratio Lower Upper

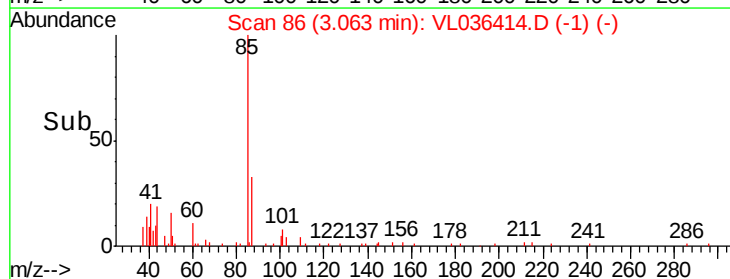
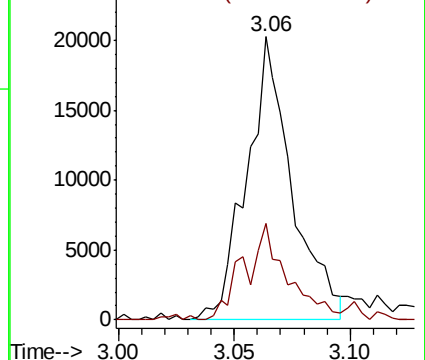
85 100

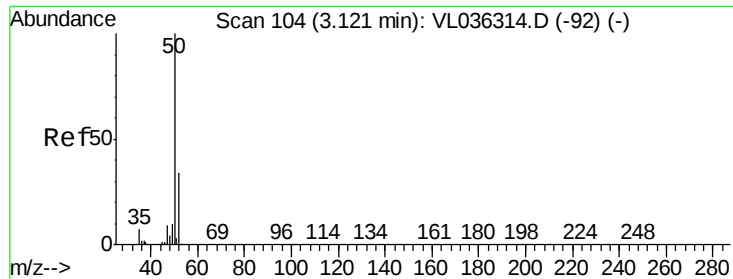
87 33.0 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.057 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.03 min

Lab File: VL036414.D

Acq: 1 Mar 2021 14:39

Instrument :

MSVOA_L

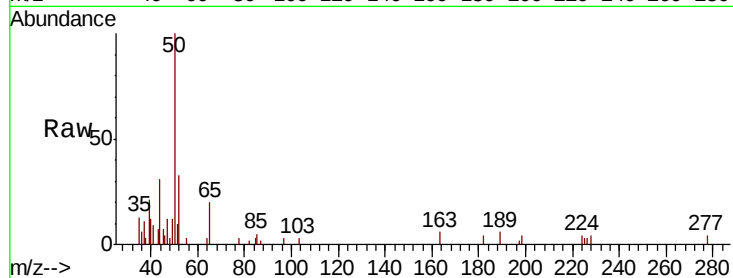
ClientSampleId :

Tot Ion: 50 Resp: 5328

Ion Ratio Lower Upper

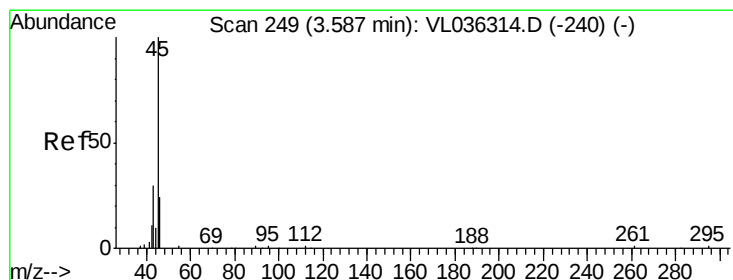
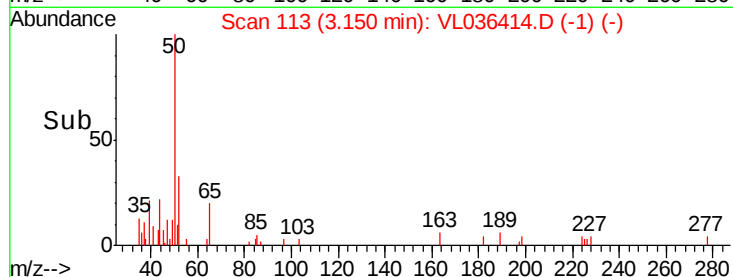
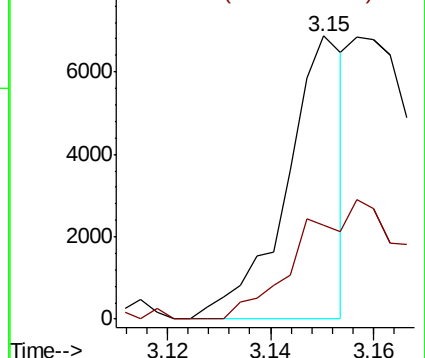
50 100

52 33.4 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#13

Ethanol

Concen: 1.980 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.04 min

Lab File: VL036414.D

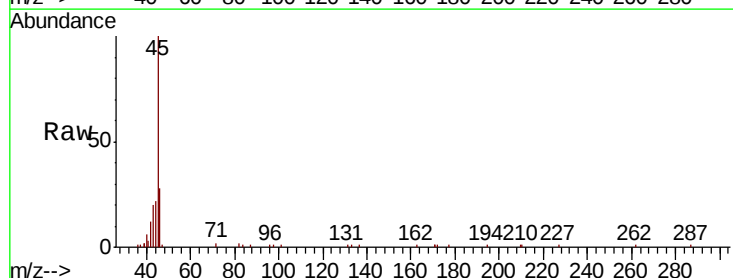
Acq: 1 Mar 2021 14:39

Tgt Ion: 45 Resp: 27035

Ion Ratio Lower Upper

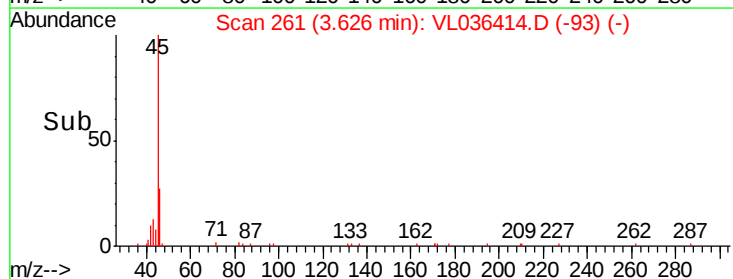
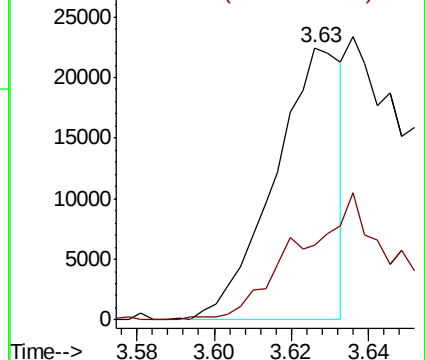
45 100

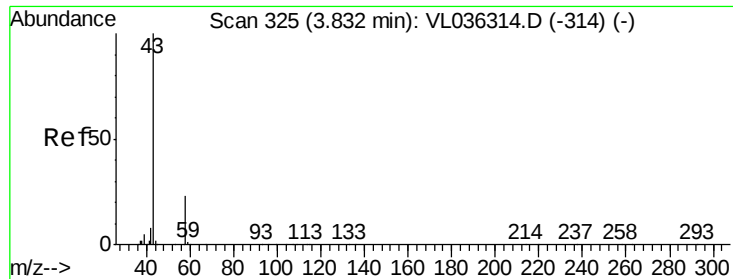
46 0.0 17.7 70.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

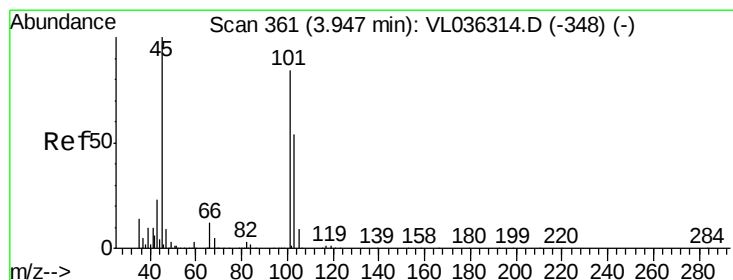
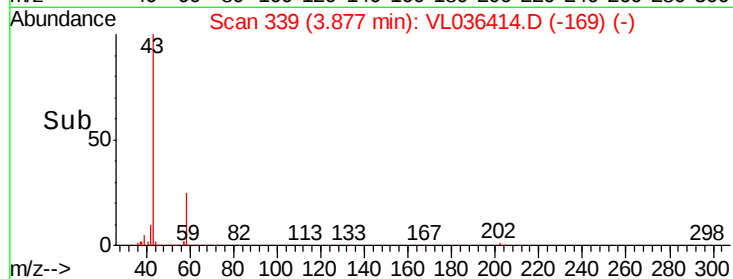
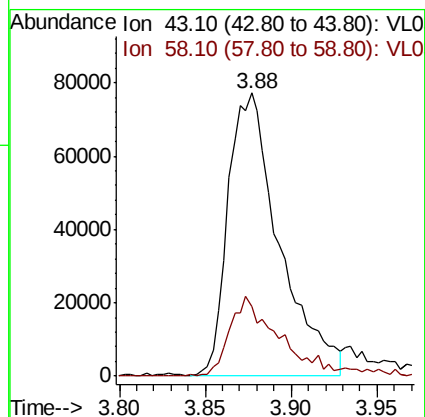
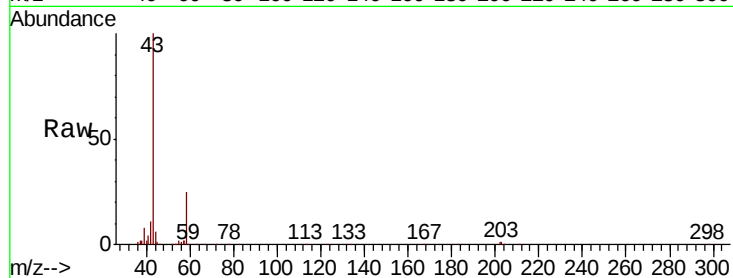




#15
Acetone
Concen: 0.835 ppbv
RT: 3.88 min Scan# 339
Delta R.T. 0.05 min
Lab File: VL036414.D
Acq: 1 Mar 2021 14:39

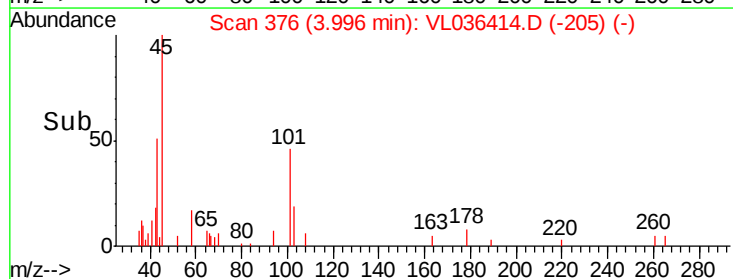
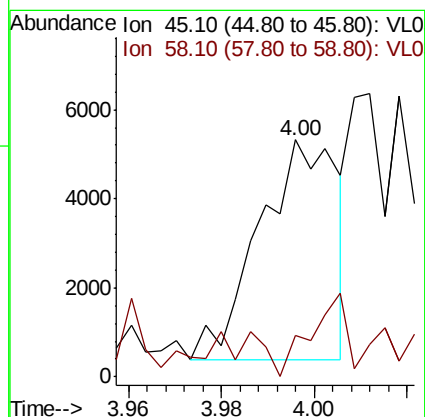
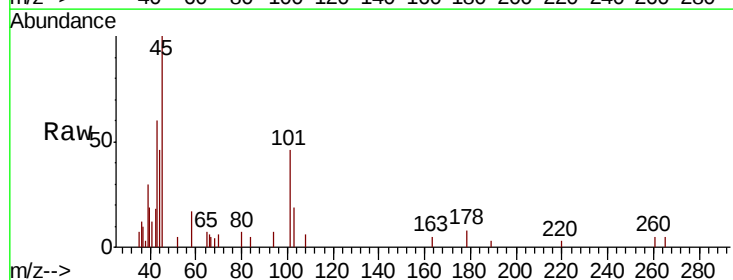
Instrument :
MSVOA_L
ClientSampleId :

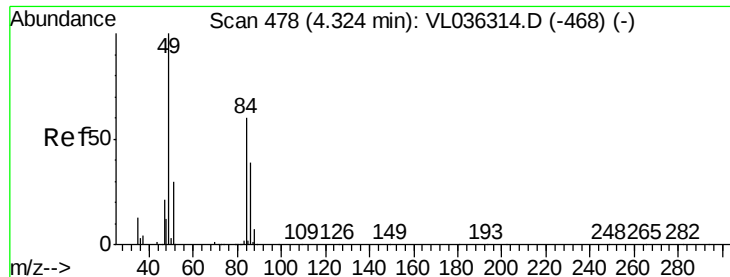
Tot Ion: 43 Resp: 160154
Ion Ratio Lower Upper
43 100
58 29.2 20.3 30.5



#19
Isopropyl Alcohol
Concen: 0.054 ppbv
RT: 4.00 min Scan# 376
Delta R.T. 0.05 min
Lab File: VL036414.D
Acq: 1 Mar 2021 14:39

Tgt Ion: 45 Resp: 5756
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#

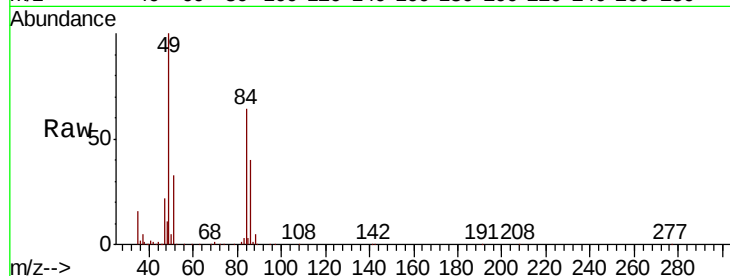




#20
Methylene Chloride
Concen: 8.067 ppbv
RT: 4.37 min Scan# 491
Delta R.T. 0.04 min
Lab File: VL036414.D
Acq: 1 Mar 2021 14:39

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	499203
Ion	Ratio	Lower	Upper
84	100		
49	156.2	133.8	200.8
51	50.8	41.4	62.0
86	61.8	51.5	77.3



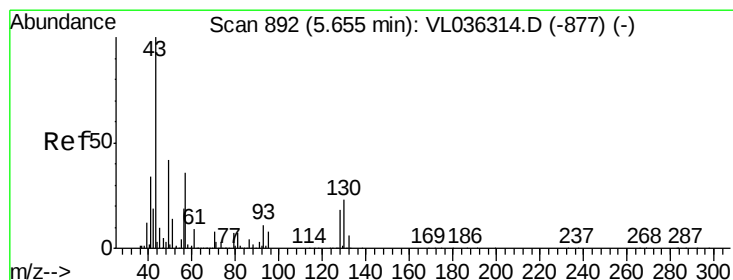
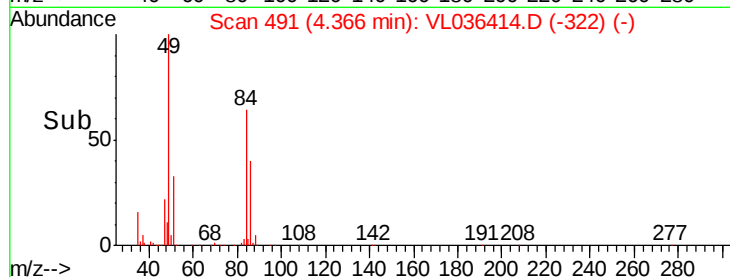
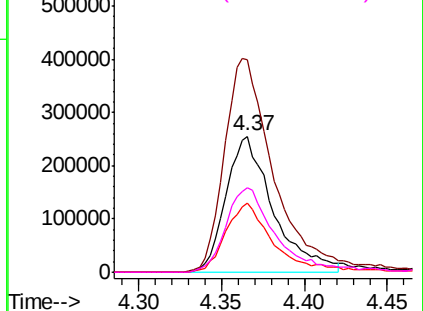
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

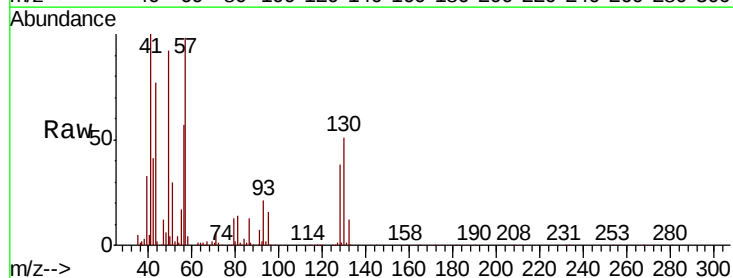
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#25
Ethyl Acetate
Concen: 1.175 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.05 min
Lab File: VL036414.D
Acq: 1 Mar 2021 14:39

Tgt Ion:	43	Resp:	435090
Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.3	12.5#
61	0.5	7.3	10.9#
70	1.7	5.4	8.0#



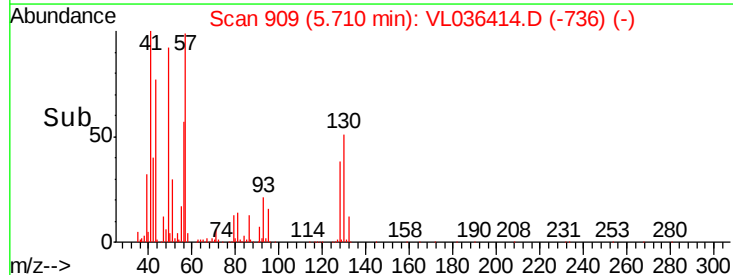
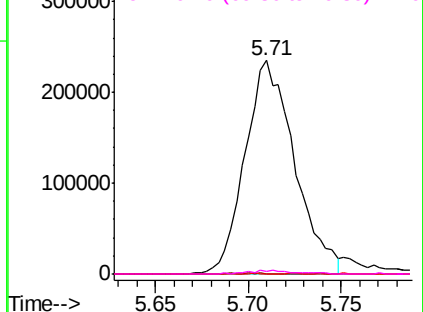
Abundance

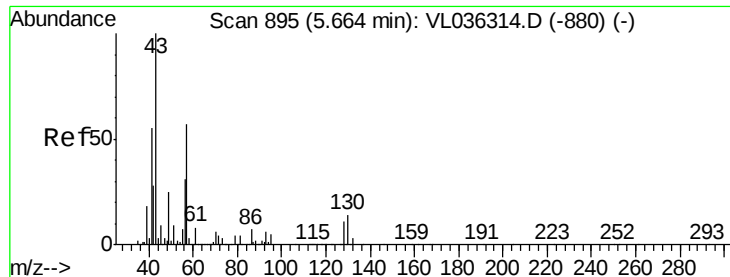
Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

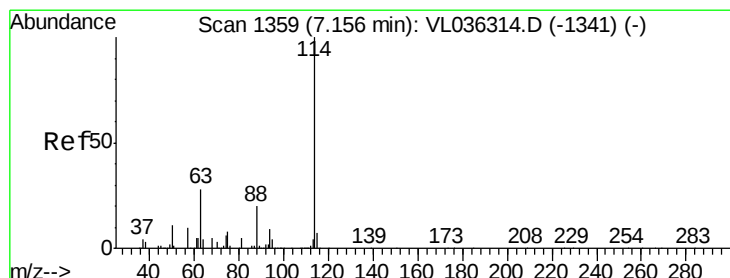
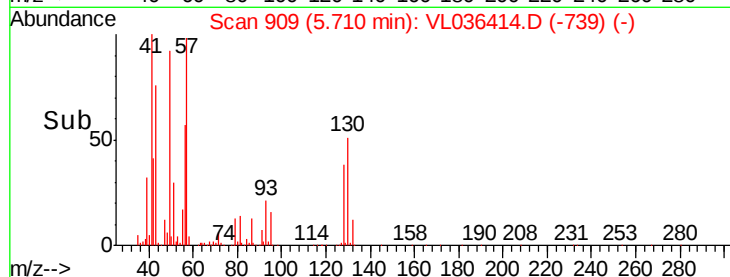
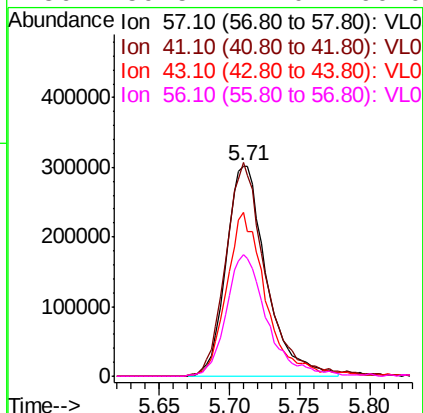
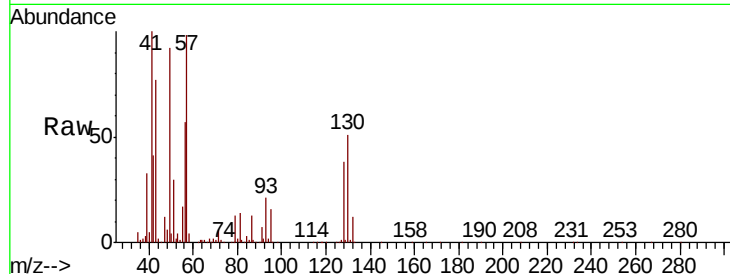




#26
Hexane
Concen: 3.913 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.05 min
Lab File: VL036414.D
Acq: 1 Mar 2021 14:39

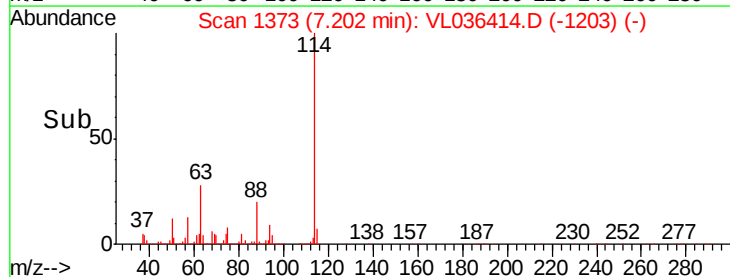
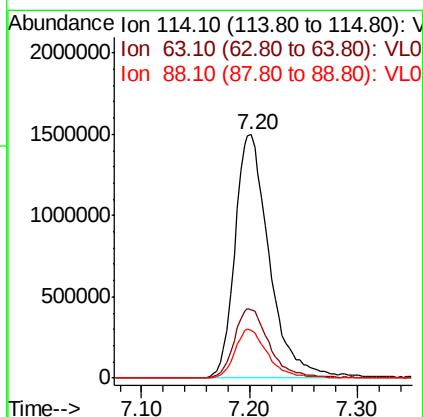
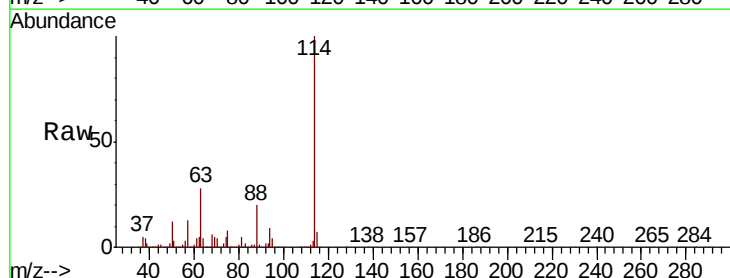
Instrument :
MSVOA_L
ClientSampleId :

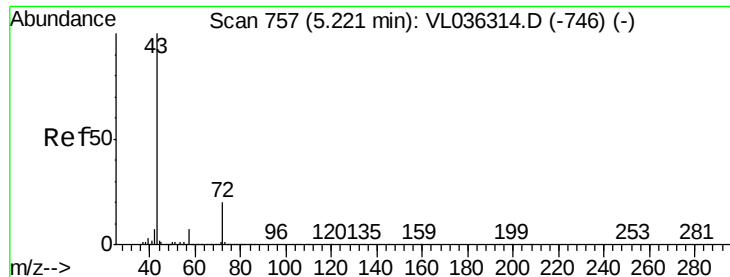
Tot Ion: 57 Resp: 595299
Ion Ratio Lower Upper
57 100
41 104.1 81.7 122.5
43 77.8 199.1 298.7#
56 59.5 44.0 66.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1373
Delta R.T. 0.05 min
Lab File: VL036414.D
Acq: 1 Mar 2021 14:39

Tgt Ion: 114 Resp: 3314341
Ion Ratio Lower Upper
114 100
63 29.5 24.1 36.1
88 19.5 16.0 24.0

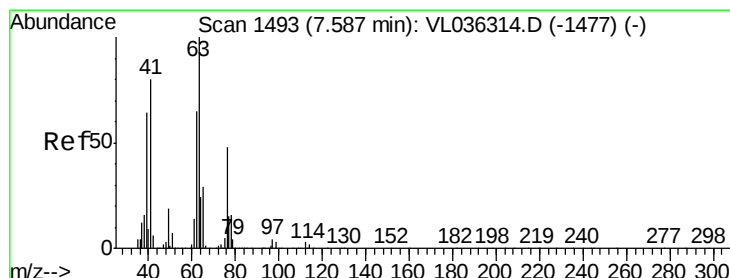
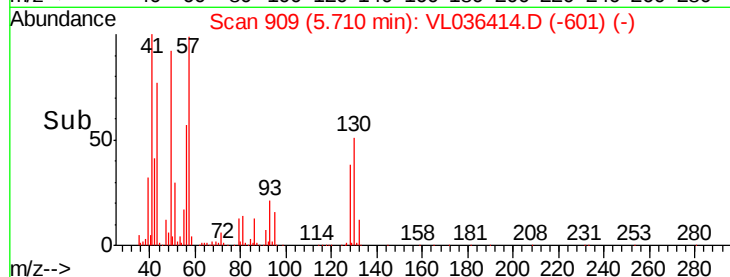
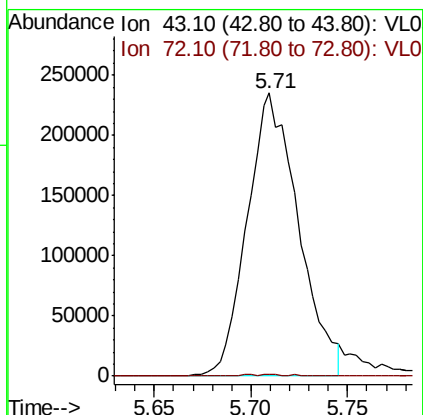
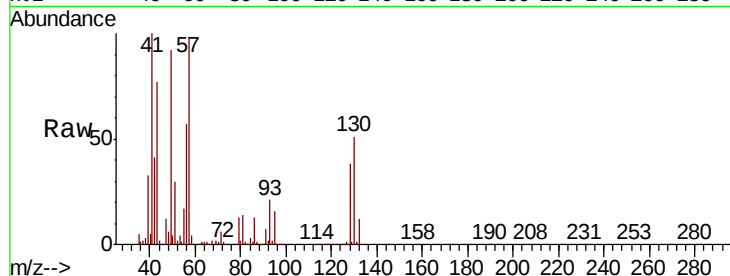




#34
2-Butanone
Concen: 1.960 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.49 min
Lab File: VL036414.D
Acq: 1 Mar 2021 14:39

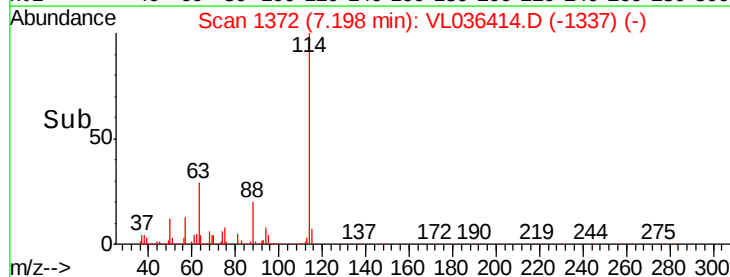
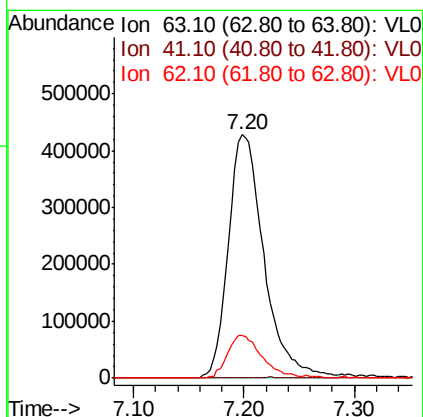
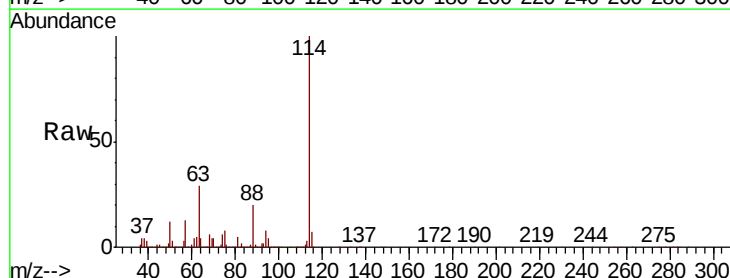
Instrument :
MSVOA_L
ClientSampleId :

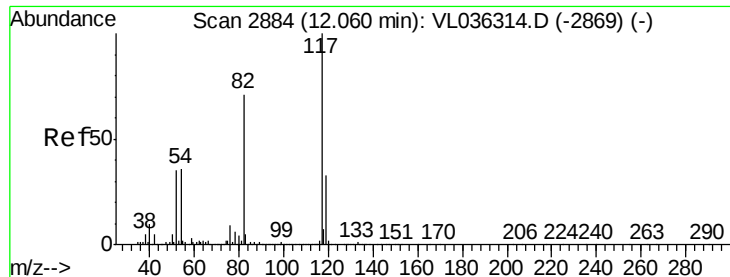
Tot Ion: 43 Resp: 431718
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#



#39
1,2-Dichloropropane
Concen: 8.406 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.39 min
Lab File: VL036414.D
Acq: 1 Mar 2021 14:39

Tgt Ion: 63 Resp: 961335
Ion Ratio Lower Upper
63 100
41 0.0 63.8 95.6#
62 17.7 52.3 78.5#

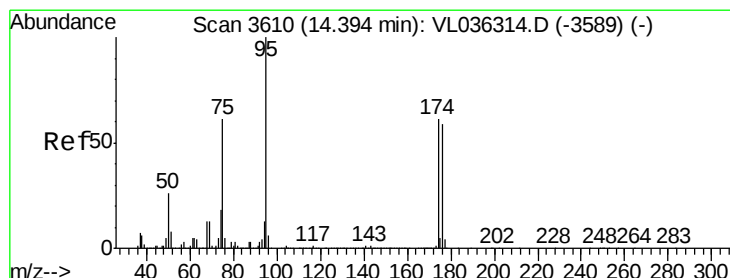
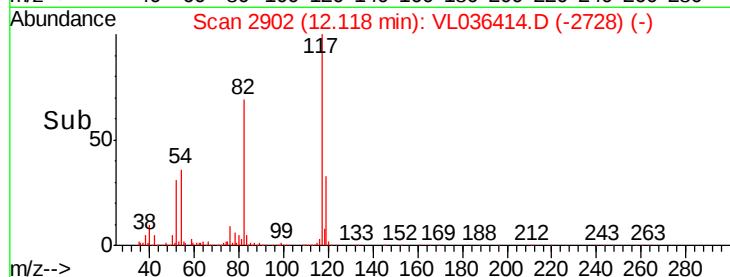
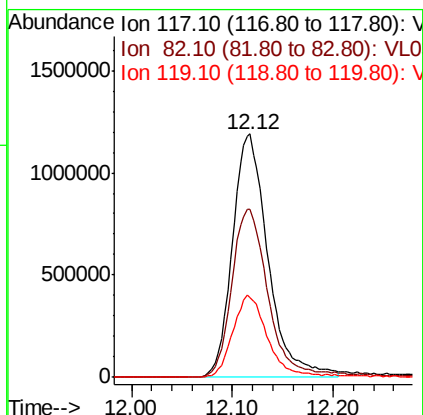
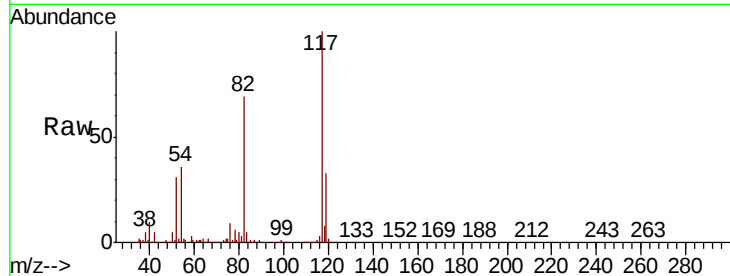




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.06 min
Lab File: VL036414.D
Acq: 1 Mar 2021 14:39

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2915099
Ion Ratio Lower Upper
117 100
82 71.8 59.1 88.7
119 34.3 46.3 69.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.317 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. 0.05 min
Lab File: VL036414.D
Acq: 1 Mar 2021 14:39

Tgt Ion: 95 Resp: 2234706
Ion Ratio Lower Upper
95 100
174 65.3 49.8 74.6
175 4.2 3.7 5.5

