

Data File : VL034636.D
Acq On : 18 Feb 2020 22:58
Operator : SY/AP
Sample : L1532-09DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IR-BRSSL

Quant Time: Feb 19 06:06:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	857982	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1755942	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1752184	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1520775	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

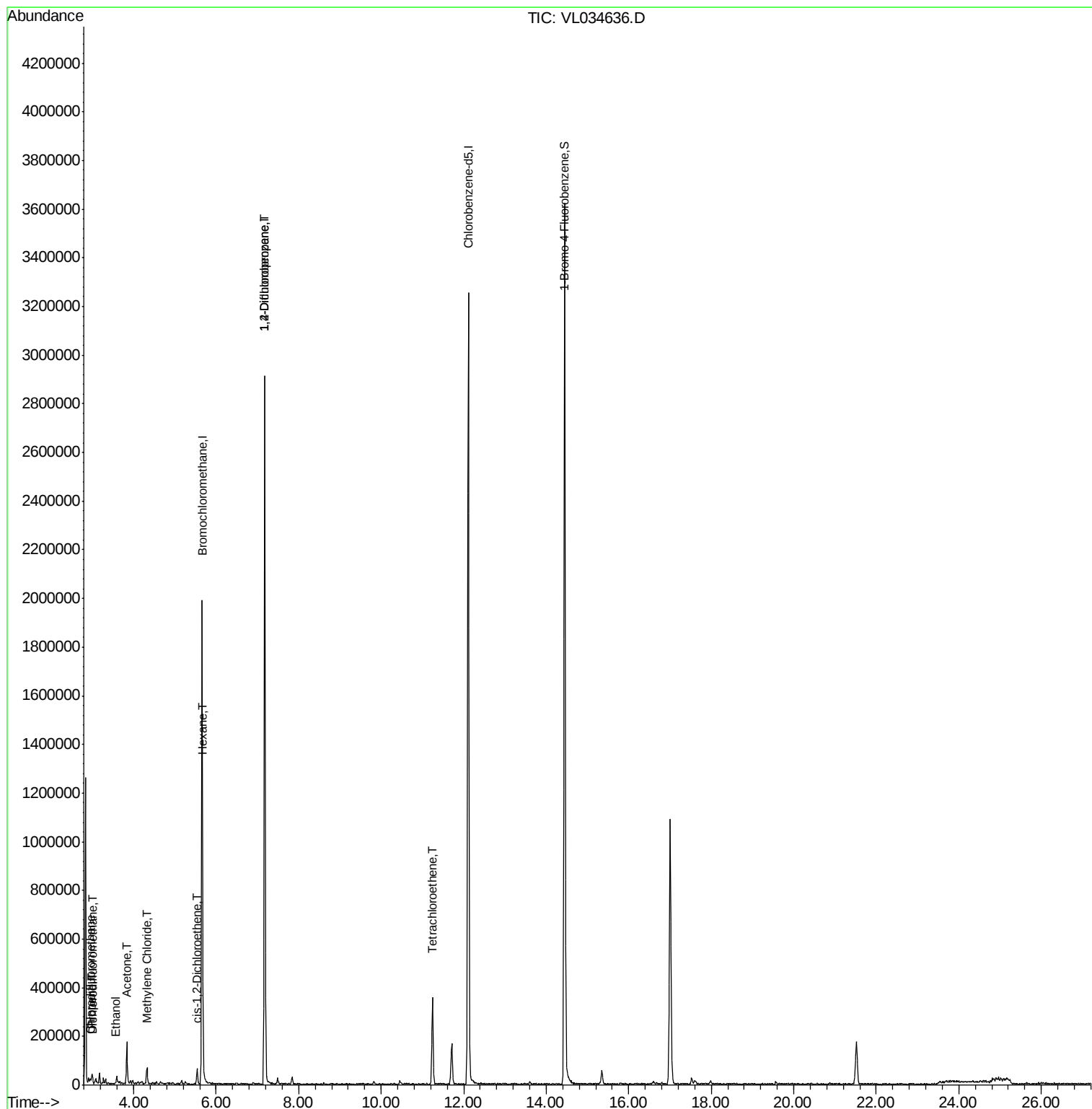
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	9784	0.052	ppbv #	77
3) Chlorodifluoromethane	2.95	51	7148	0.069	ppbv #	84
9) Propene	2.98	41	7739	0.192	ppbv	86
13) Ethanol	3.56	45	753	0.070	ppbv #	38
15) Acetone	3.83	43	158354	1.256	ppbv	94
20) Methylene Chloride	4.32	84	20657	0.430	ppbv #	87
26) Hexane	5.68	57	3153	0.037	ppbv #	21
31) cis-1,2-Dichloroethene	5.54	61	23799	0.268	ppbv	90
39) 1,2-Dichloropropane	7.18	63	512717	7.920	ppbv #	21
52) Tetrachloroethene	11.25	164	45625	0.727	ppbv	95

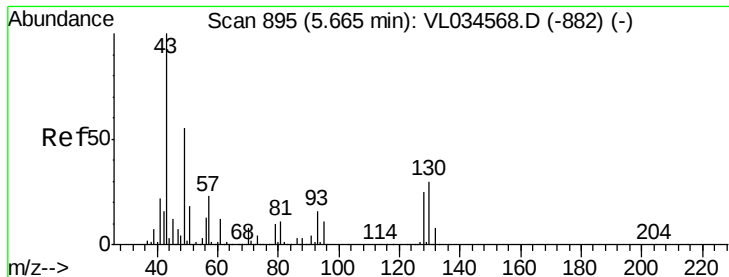
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL034636.D

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Instrument :

MSVOA_L

ClientSampleId :

IR-BRSSL

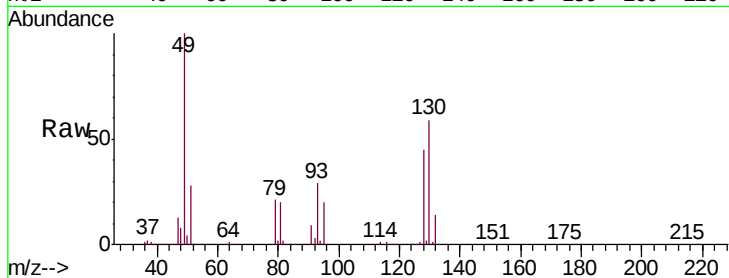
Tgt Ion: 49 Resp: 857982

Ion Ratio Lower Upper

49 100

128 46.2 22.7 68.1

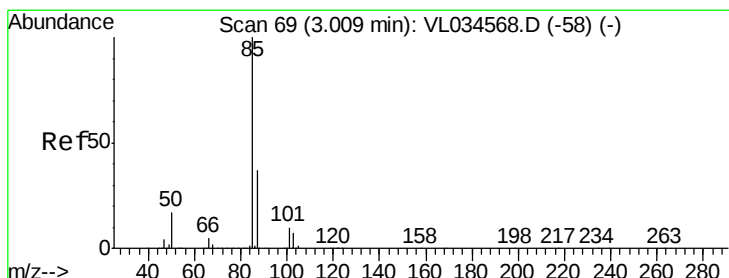
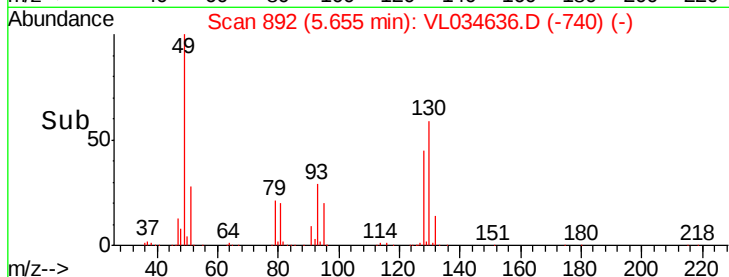
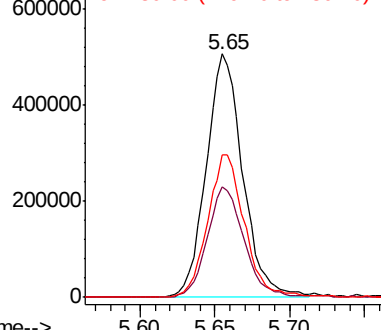
130 59.0 28.6 85.8



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



#2

Dichlorodifluoromethane

Concen: 0.052 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL034636.D

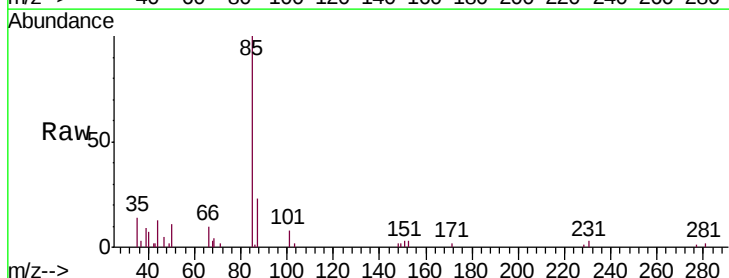
Acq: 18 Feb 2020 22:58

Tgt Ion: 85 Resp: 9784

Ion Ratio Lower Upper

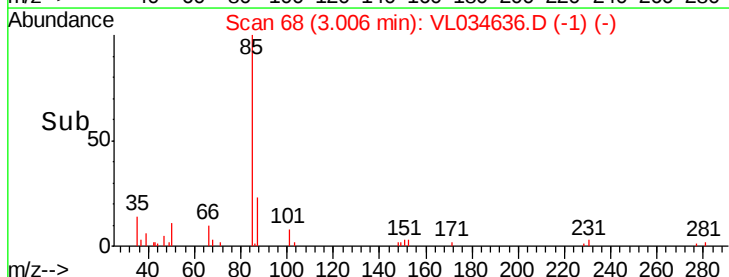
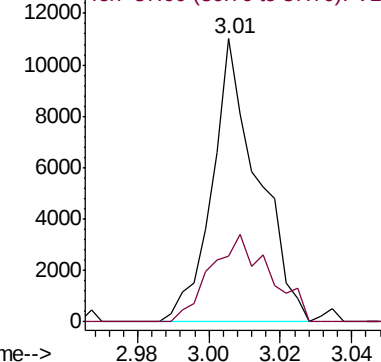
85 100

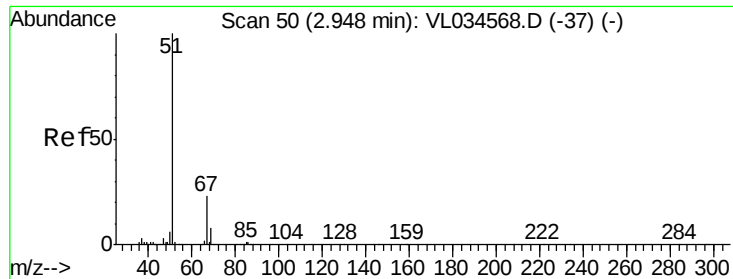
87 23.3 29.5 44.3#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

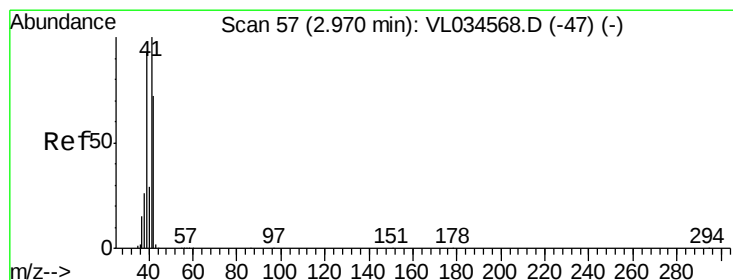
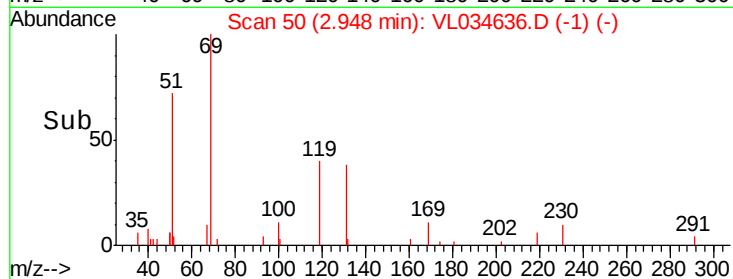
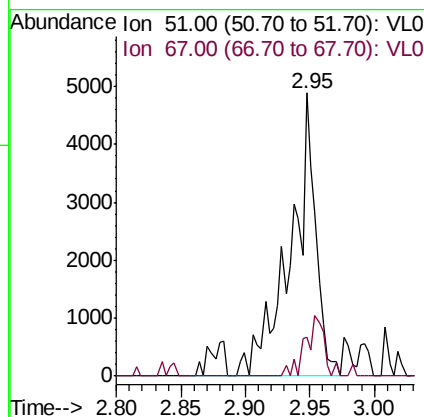
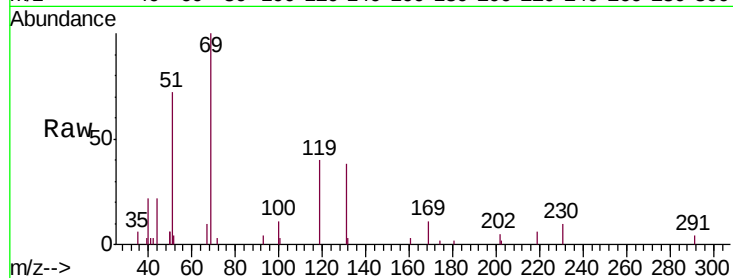




#3
 Chlorodifluoromethane
 Concen: 0.069 ppbv
 RT: 2.95 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VL034636.D
 Acq: 18 Feb 2020 22:58

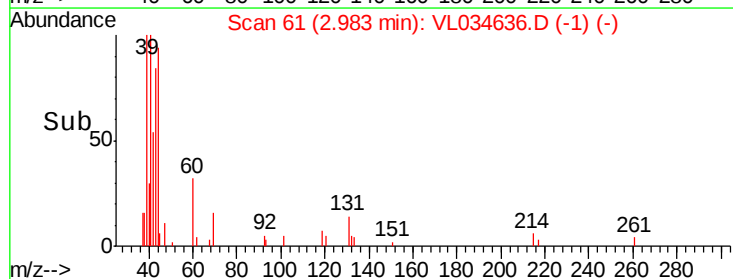
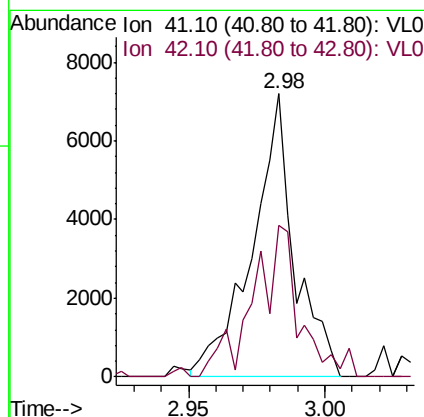
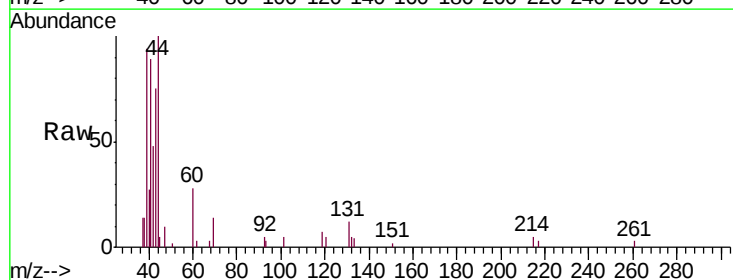
Instrument :
 MSVOA_L
 ClientSampleId :
 IR-BRSSL

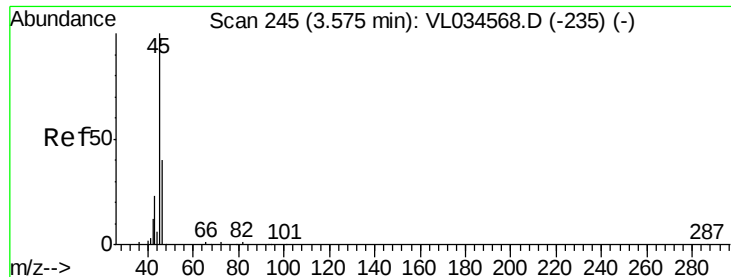
Tgt Ion: 51 Resp: 7148
 Ion Ratio Lower Upper
 51 100
 67 14.5 17.8 26.8#



#9
 Propene
 Concen: 0.192 ppbv
 RT: 2.98 min Scan# 61
 Delta R.T. 0.01 min
 Lab File: VL034636.D
 Acq: 18 Feb 2020 22:58

Tgt Ion: 41 Resp: 7739
 Ion Ratio Lower Upper
 41 100
 42 59.3 57.0 85.4

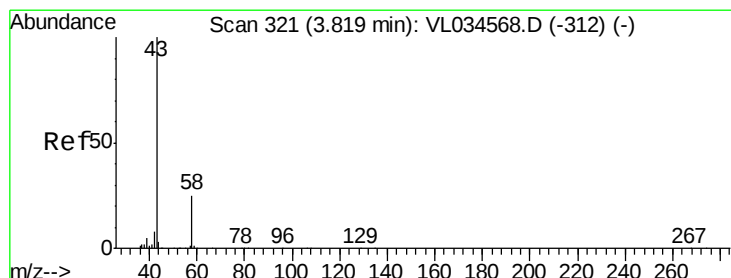
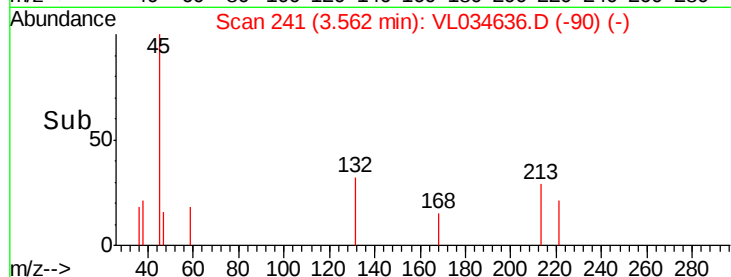
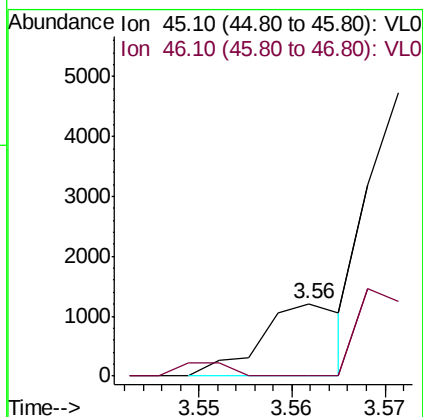
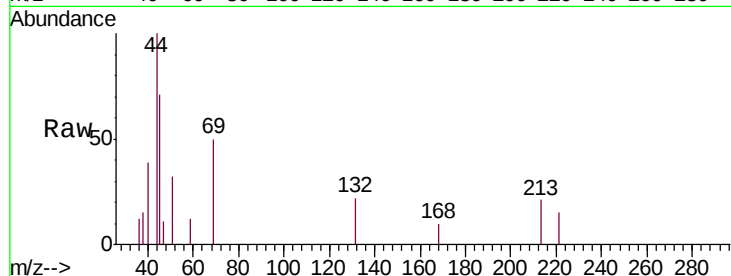




#13
Ethanol
Concen: 0.070 ppbv
RT: 3.56 min Scan# 241
Delta R.T. -0.01 min
Lab File: VL034636.D
Acq: 18 Feb 2020 22:58

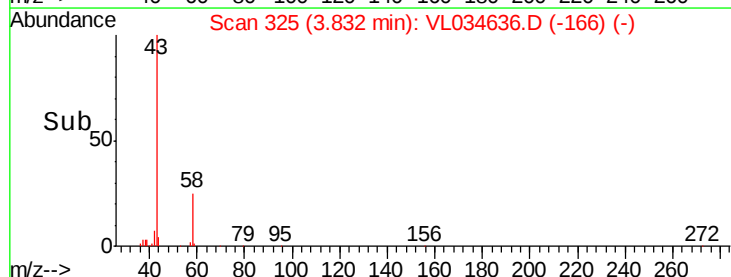
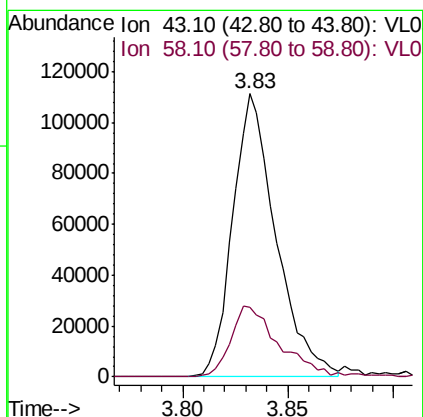
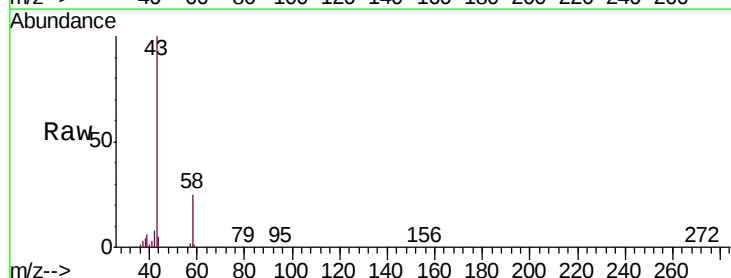
Instrument :
MSVOA_L
ClientSampleId :
IR-BRSSL

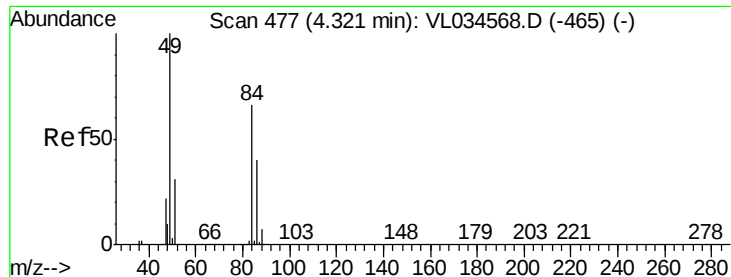
Tgt Ion: 45 Resp: 753
Ion Ratio Lower Upper
45 100
46 0.0 14.8 59.2#



#15
Acetone
Concen: 1.256 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.01 min
Lab File: VL034636.D
Acq: 18 Feb 2020 22:58

Tgt Ion: 43 Resp: 158354
Ion Ratio Lower Upper
43 100
58 28.2 20.3 30.5

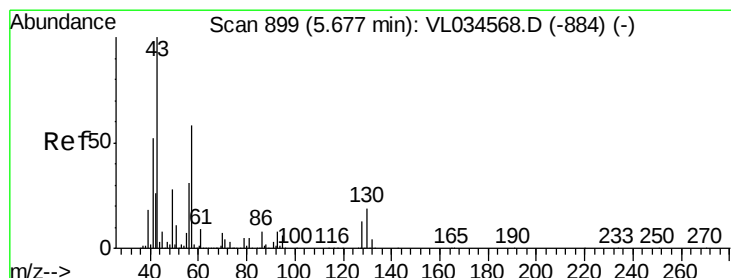
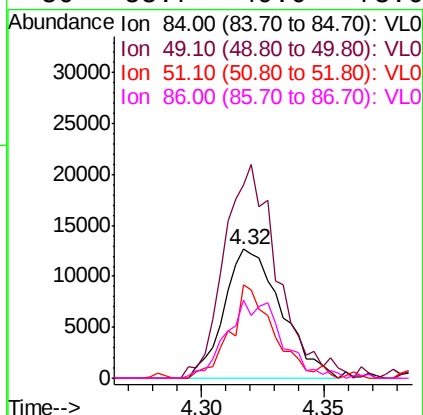
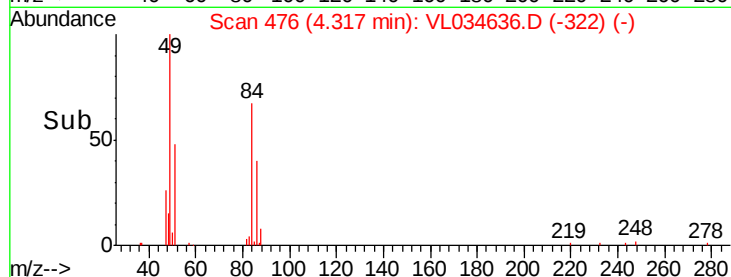
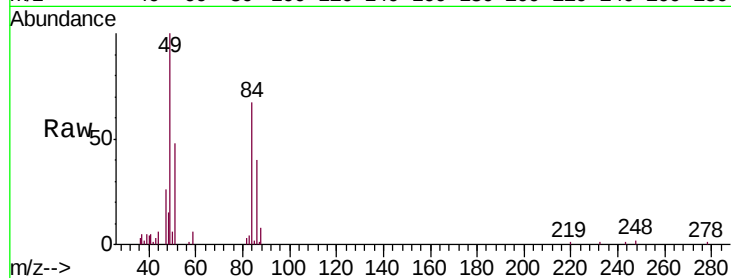




#20
Methylene Chloride
Concen: 0.430 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.00 min
Lab File: VL034636.D
Acq: 18 Feb 2020 22:58

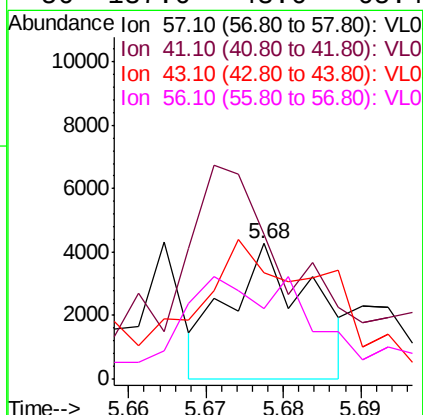
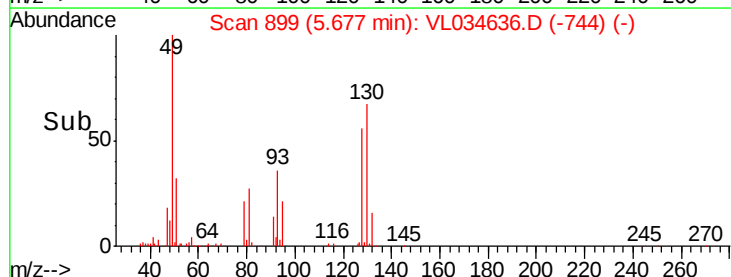
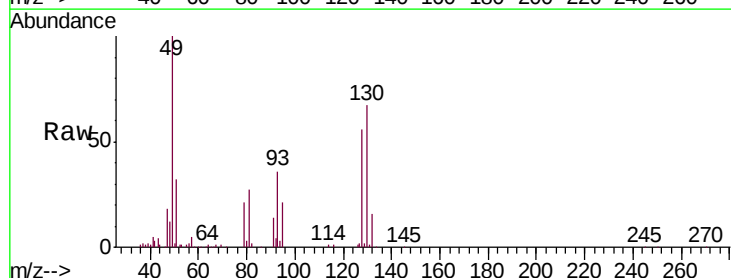
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MSVOA_L
ClientSampleId :
IR-BRSSL

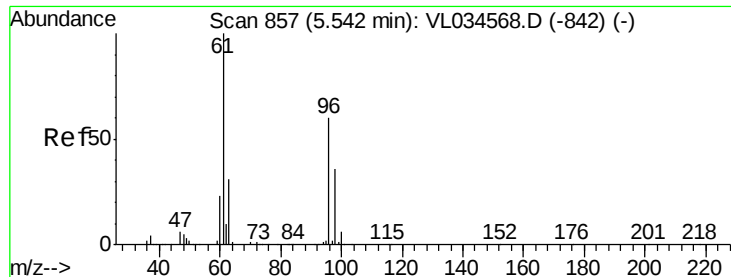
Tgt Ion: 84 Resp: 20657
Ion Ratio Lower Upper
84 100
49 141.5 122.4 183.6
51 72.5 38.6 57.8#
86 58.7 49.0 73.6



#26
Hexane
Concen: 0.037 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034636.D
Acq: 18 Feb 2020 22:58

Tgt Ion: 57 Resp: 3153
Ion Ratio Lower Upper
57 100
41 309.2 76.2 114.2#
43 212.5 189.9 284.9
56 137.6 43.6 65.4#





#31

cis-1,2-Dichloroethene

Concen: 0.268 ppbv

RT: 5.54 min Scan# 855

Delta R.T. -0.01 min

Lab File: VL034636.D

Acq: 18 Feb 2020 22:58

Instrument :

MSVOA_L

ClientSampleId :

IR-BRSSL

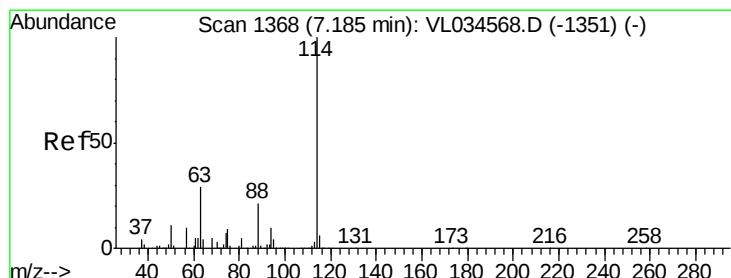
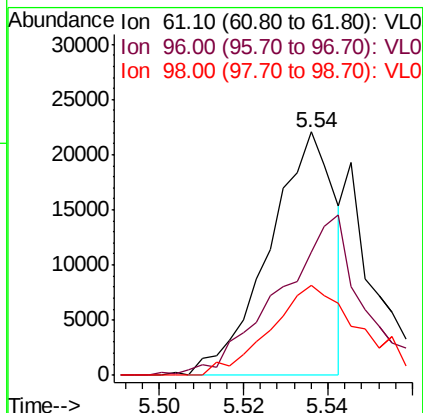
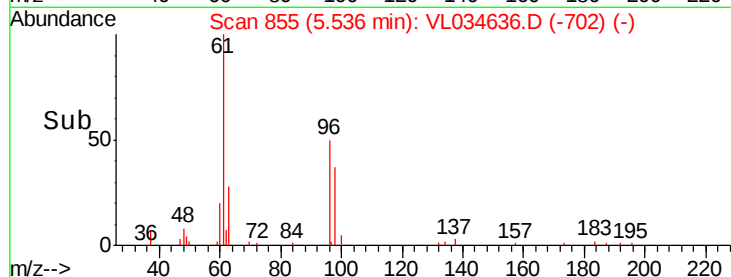
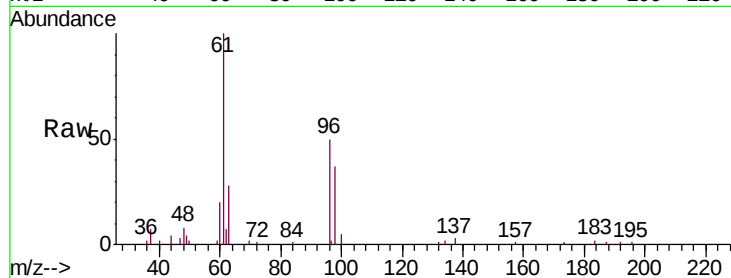
Tgt Ion: 61 Resp: 23799

Ion Ratio Lower Upper

61 100

96 48.4 48.0 72.0

98 36.9 28.6 43.0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VL034636.D

Acq: 18 Feb 2020 22:58

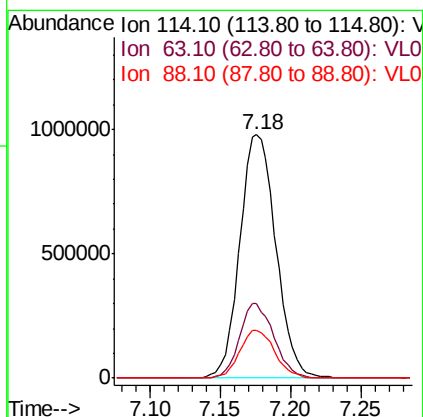
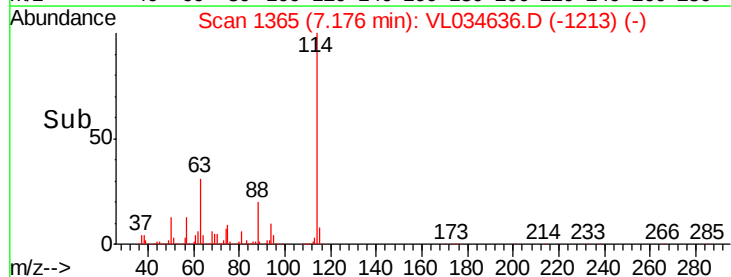
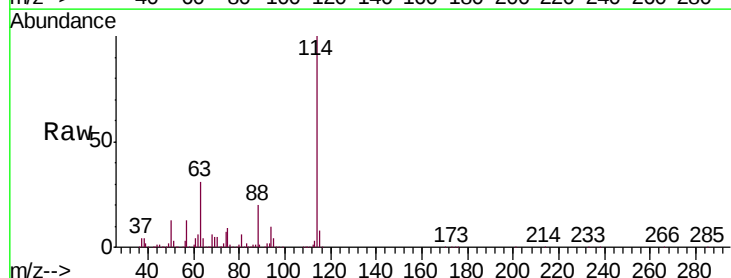
Tgt Ion: 114 Resp: 1755942

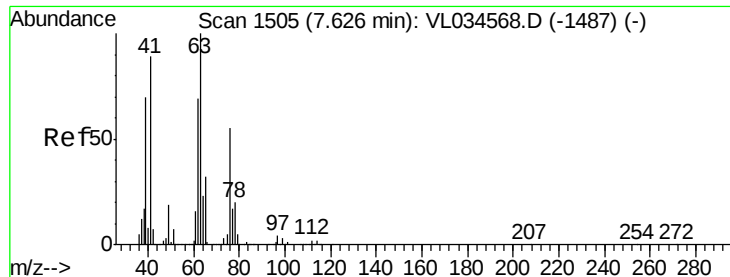
Ion Ratio Lower Upper

114 100

63 29.5 24.1 36.1

88 19.2 15.9 23.9

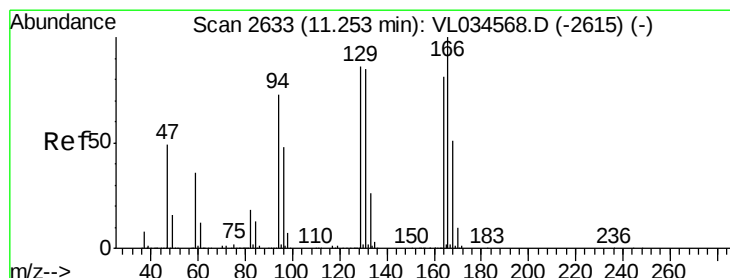
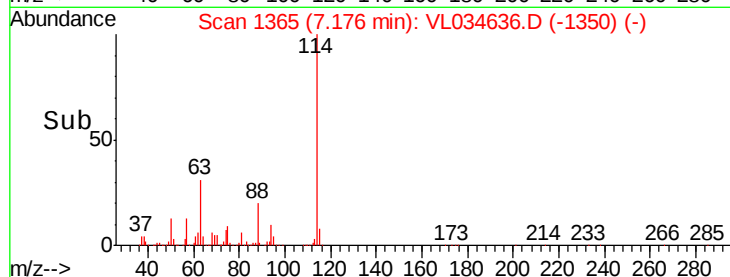
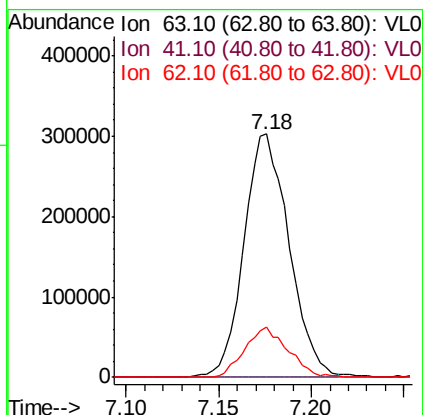
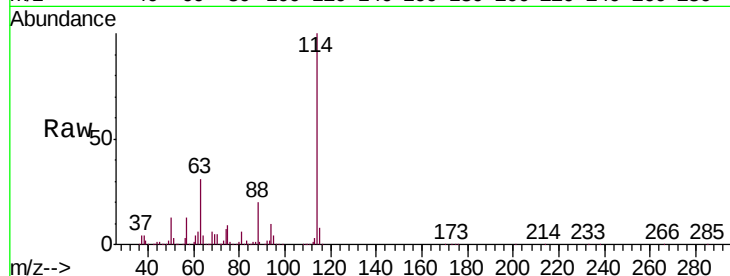




#39
 1,2-Dichloropropane
 Concen: 7.920 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.45 min
 Lab File: VL034636.D
 Acq: 18 Feb 2020 22:58

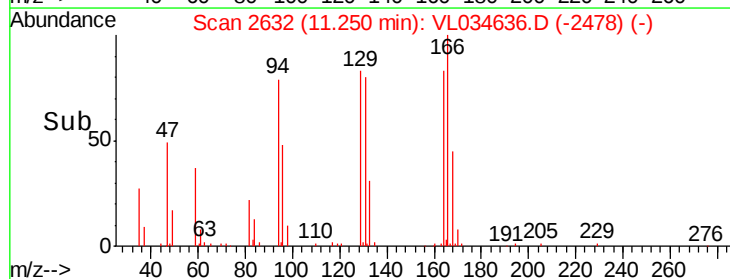
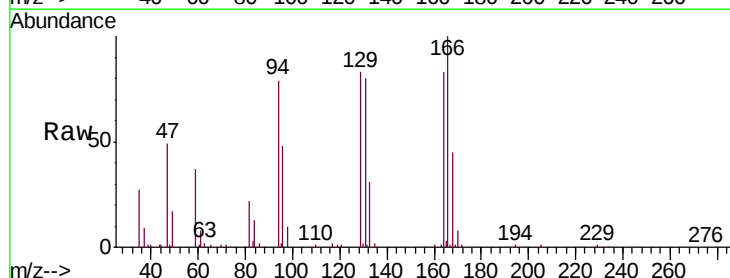
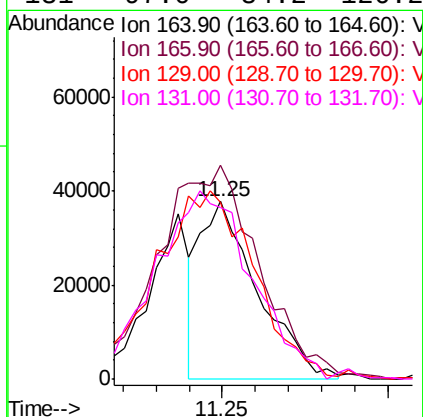
Instrument :
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 IR-BRSSL

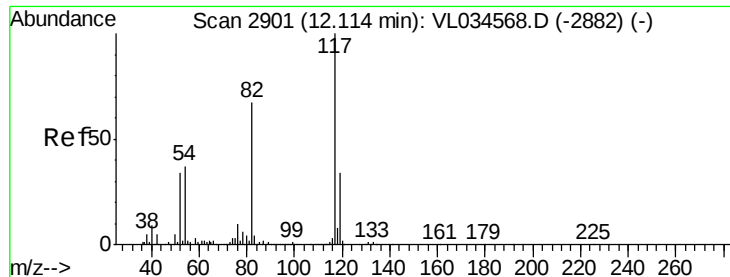
Tgt Ion: 63 Resp: 512717
 Ion Ratio Lower Upper
 63 100
 41 0.0 71.0 106.4#
 62 20.8 55.4 83.0#



#52
 Tetrachloroethene
 Concen: 0.727 ppbv
 RT: 11.25 min Scan# 2632
 Delta R.T. -0.00 min
 Lab File: VL034636.D
 Acq: 18 Feb 2020 22:58

Tgt Ion: 164 Resp: 45625
 Ion Ratio Lower Upper
 164 100
 166 118.9 99.0 148.4
 129 103.0 85.3 127.9
 131 97.0 84.2 126.2

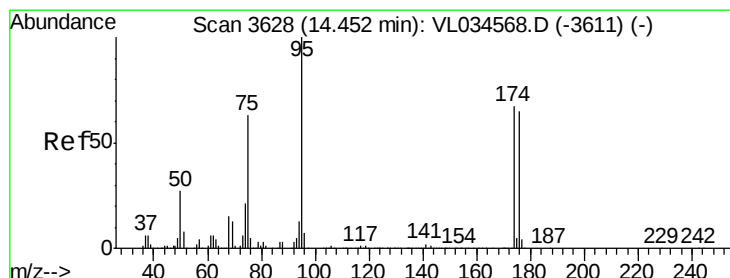
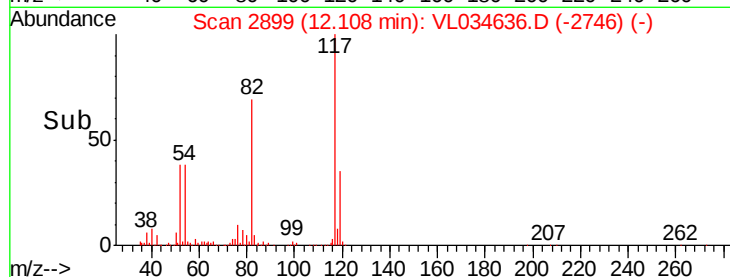
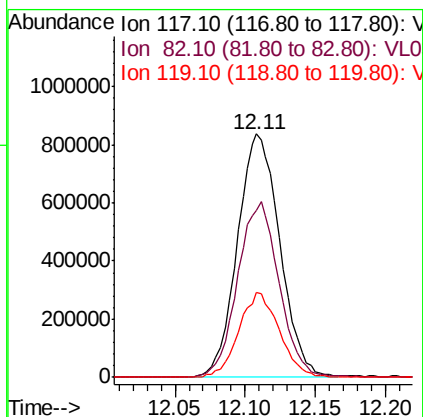
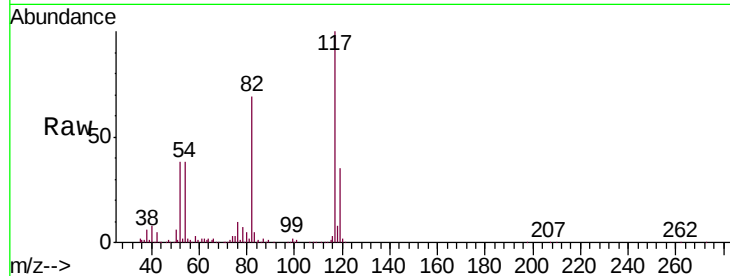




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL034636.D
Acq: 18 Feb 2020 22:58

Instrument :
MSVOA_L
ClientSampleId :
IR-BRSSL

Tgt Ion: 117 Resp: 1752184
Ion Ratio Lower Upper
117 100
82 71.6 54.2 81.4
119 33.6 26.1 39.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.270 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.01 min
Lab File: VL034636.D
Acq: 18 Feb 2020 22:58

Tgt Ion: 95 Resp: 1520775
Ion Ratio Lower Upper
95 100
174 63.7 52.3 78.5
175 4.6 3.8 5.6

