

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034232.D
 Acq On : 7 Oct 2019 21:36
 Operator : SY/AP
 Sample : K5225-03DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Oct 09 02:22:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1099011	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1799947	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1832019	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1640106	10.30	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

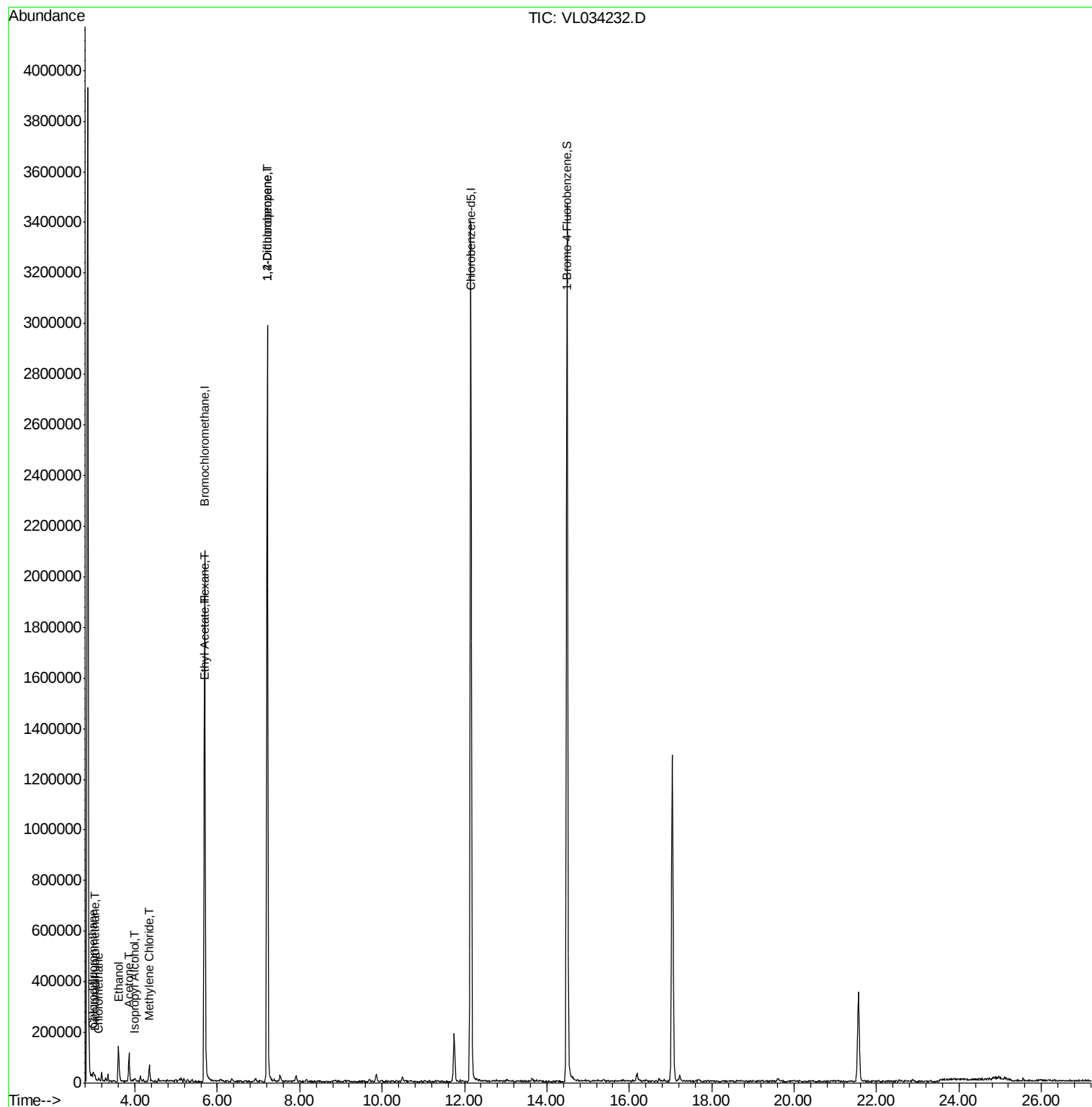
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	8424	0.052	ppbv	97
3) Chlorodifluoromethane	2.97	51	13540	0.105	ppbv #	91
4) Chloromethane	3.12	50	4903	0.065	ppbv	93
13) Ethanol	3.60	45	145631	9.460	ppbv	99
15) Acetone	3.85	43	105130	0.714	ppbv	99
19) Isopropyl Alcohol	3.98	45	7614	0.084	ppbv #	1
20) Methylene Chloride	4.35	84	19554	0.460	ppbv	89
25) Ethyl Acetate	5.71	43	15645	0.056	ppbv #	85
26) Hexane	5.71	57	16303	0.141	ppbv #	43
39) 1,2-Dichloropropane	7.21	63	606235	6.787	ppbv #	20

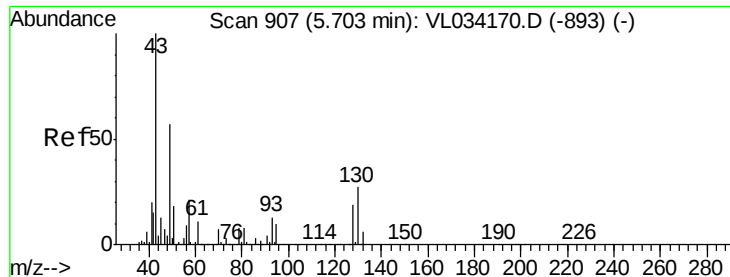
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034232.D

Acq: 7 Oct 2019 21:36

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

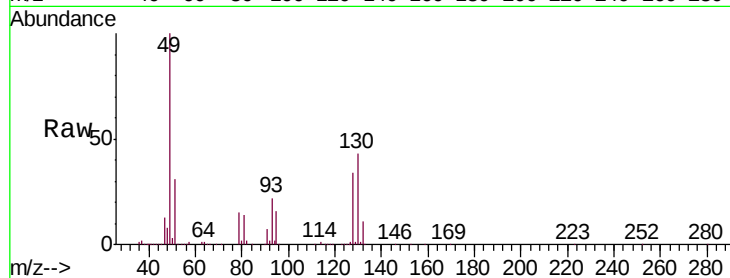
Tgt Ion: 49 Resp: 1099011

Ion Ratio Lower Upper

49 100

128 35.3 17.6 52.9

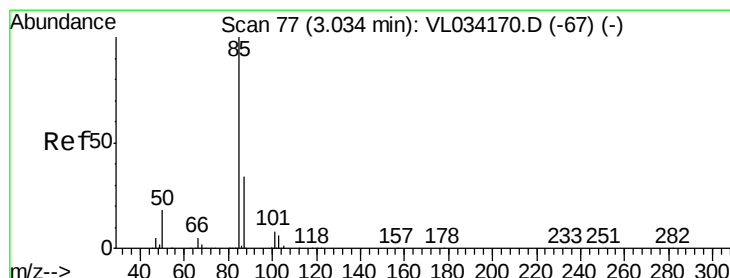
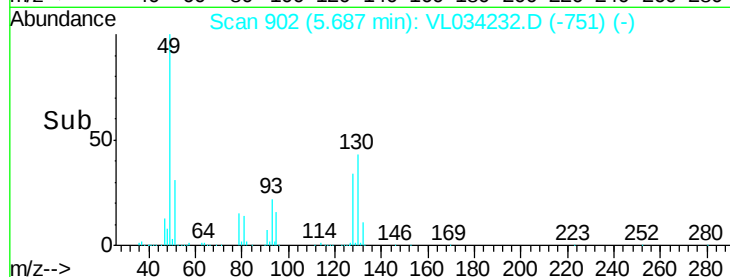
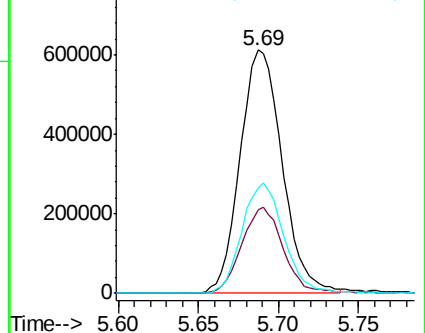
130 45.5 22.3 66.9



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: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034232.D

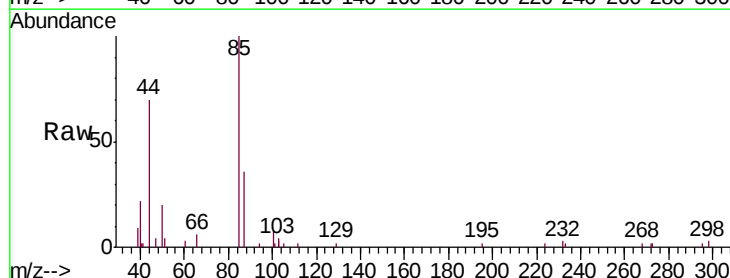
Acq: 7 Oct 2019 21:36

Tgt Ion: 85 Resp: 8424

Ion Ratio Lower Upper

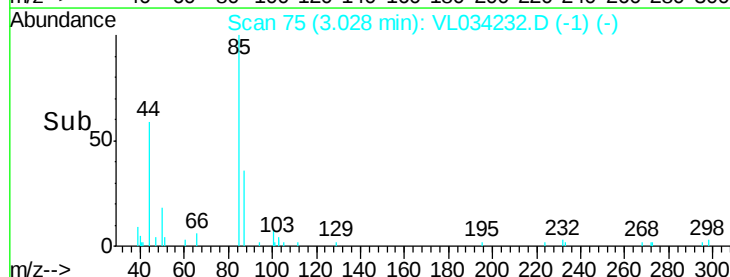
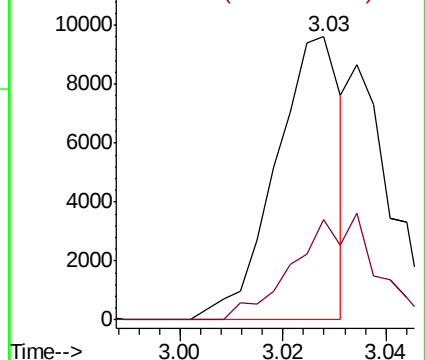
85 100

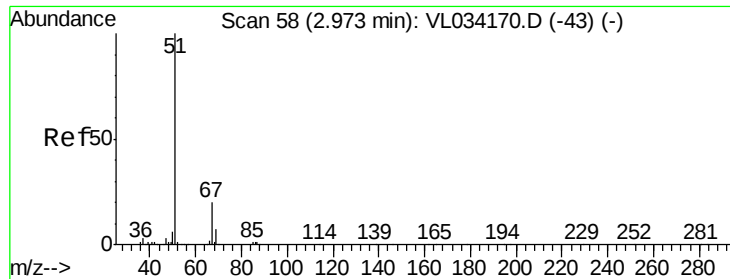
87 35.7 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

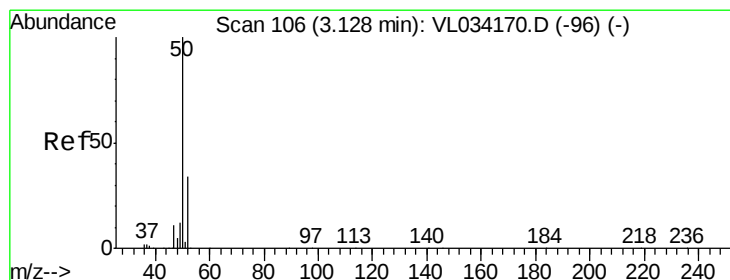
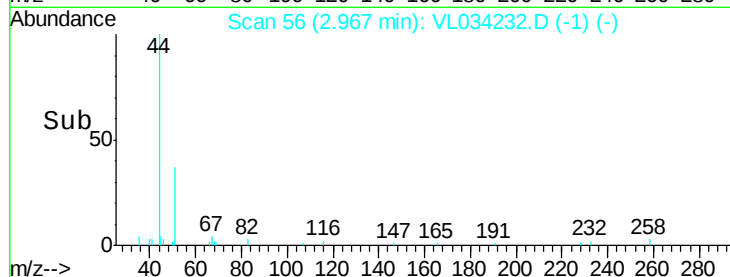
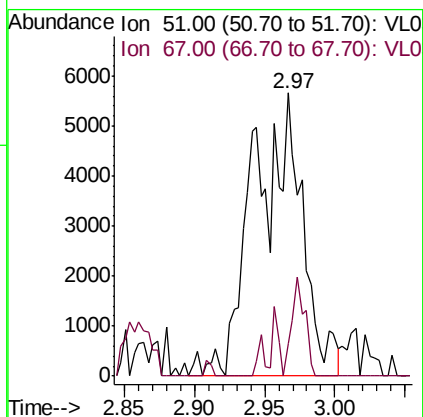
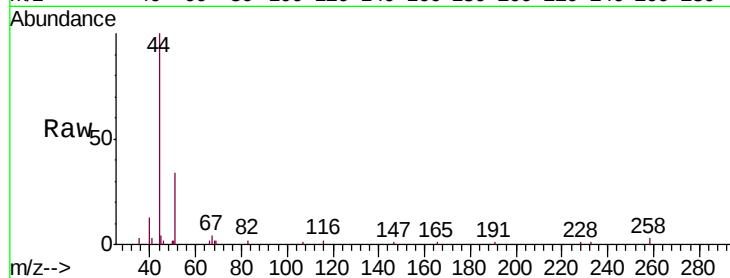




#3
Chlorodifluoromethane
Concen: 0.105 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.01 min
Lab File: VL034232.D
Acq: 7 Oct 2019 21:36

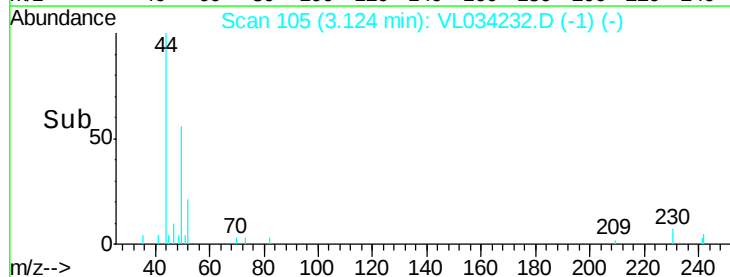
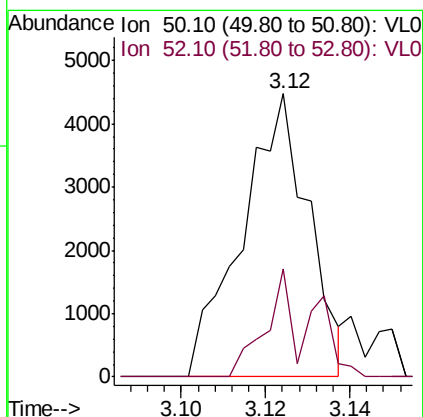
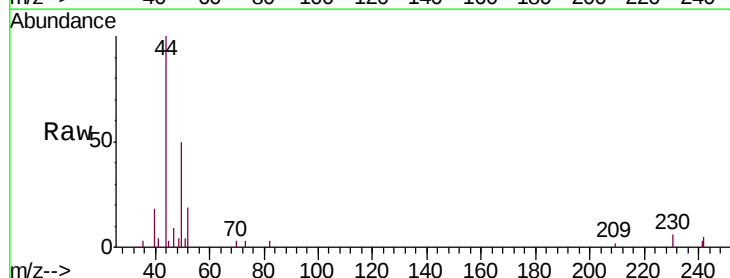
Instrument :
MSVOA_L
ClientSampleId :
QA1DL

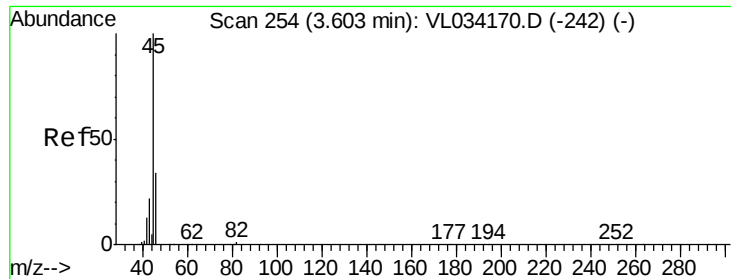
Tgt Ion: 51 Resp: 13540
Ion Ratio Lower Upper
51 100
67 14.3 14.8 22.2#



#4
Chloromethane
Concen: 0.065 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.00 min
Lab File: VL034232.D
Acq: 7 Oct 2019 21:36

Tgt Ion: 50 Resp: 4903
Ion Ratio Lower Upper
50 100
52 38.0 27.1 40.7

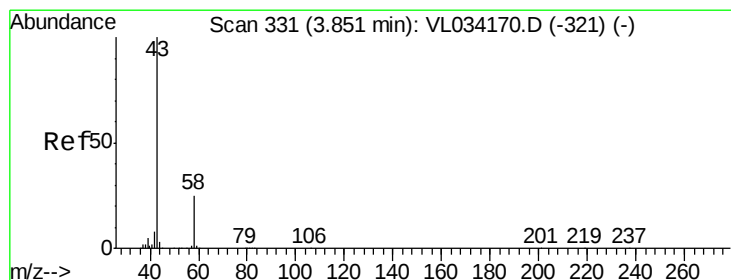
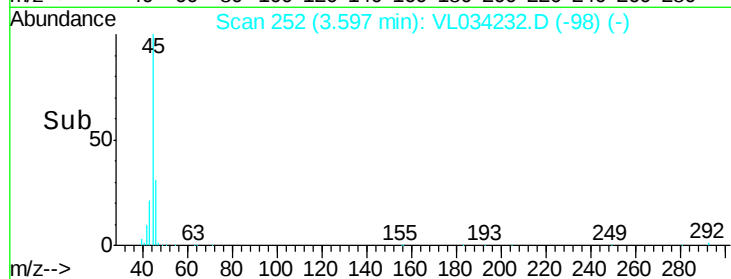
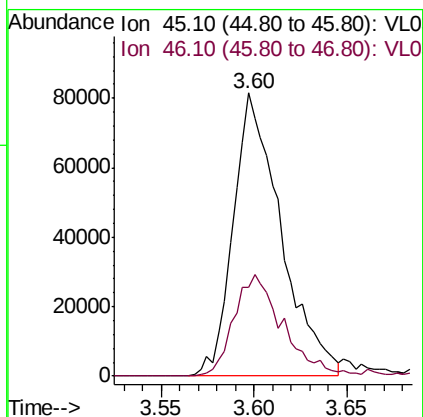
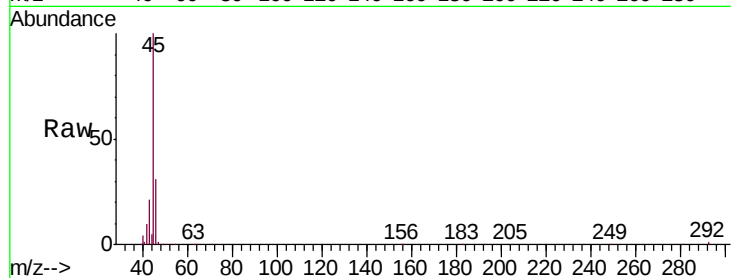




#13
Ethanol
Concen: 9.460 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL034232.D
Acq: 7 Oct 2019 21:36

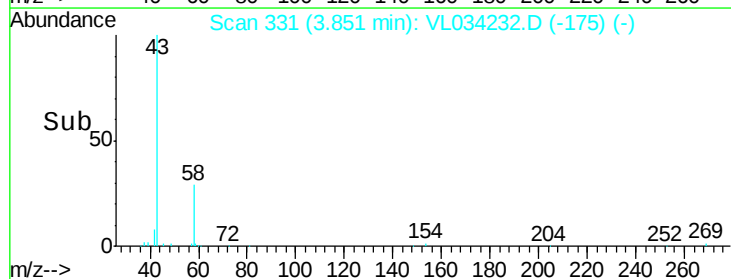
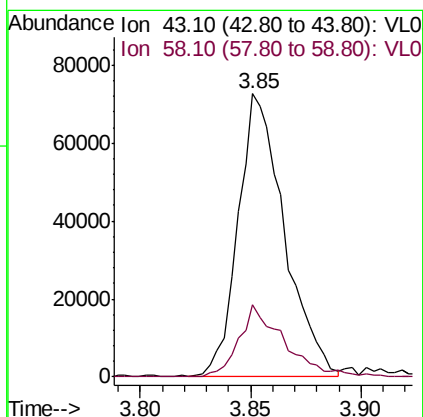
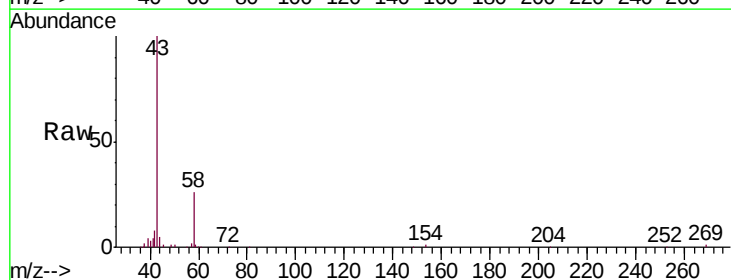
Instrument :
MSVOA_L
ClientSampleId :
QA1DL

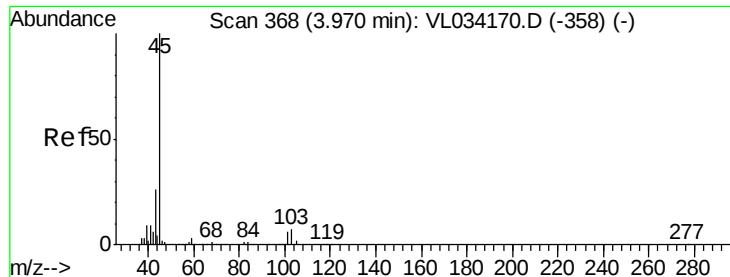
Tgt Ion: 45 Resp: 145631
Ion Ratio Lower Upper
45 100
46 38.2 15.5 61.9



#15
Acetone
Concen: 0.714 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL034232.D
Acq: 7 Oct 2019 21:36

Tgt Ion: 43 Resp: 105130
Ion Ratio Lower Upper
43 100
58 25.0 20.5 30.7

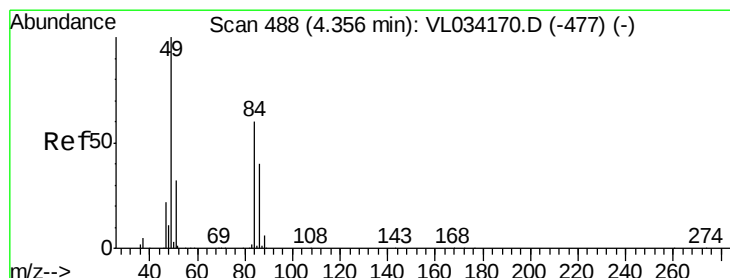
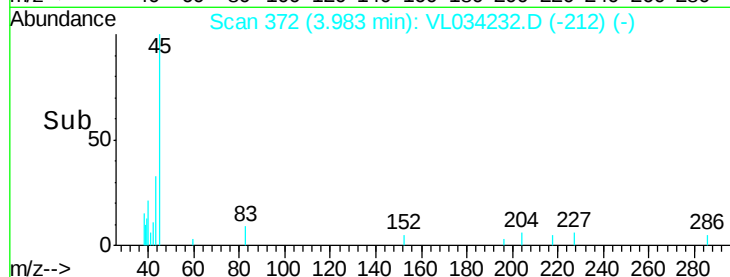
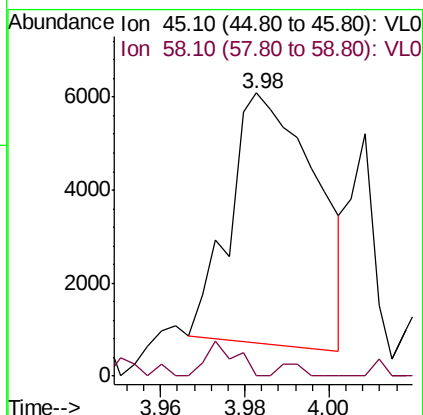
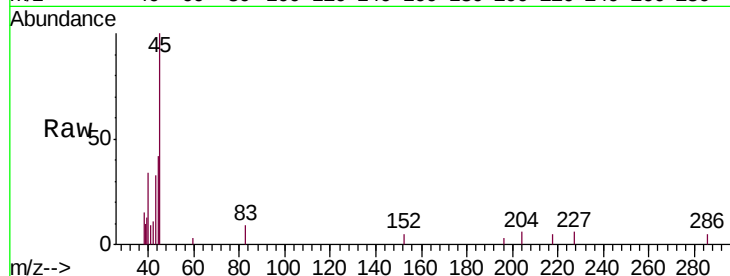




#19
Isopropyl Alcohol
Concen: 0.084 ppbv
RT: 3.98 min Scan# 372
Delta R.T. 0.01 min
Lab File: VL034232.D
Acq: 7 Oct 2019 21:36

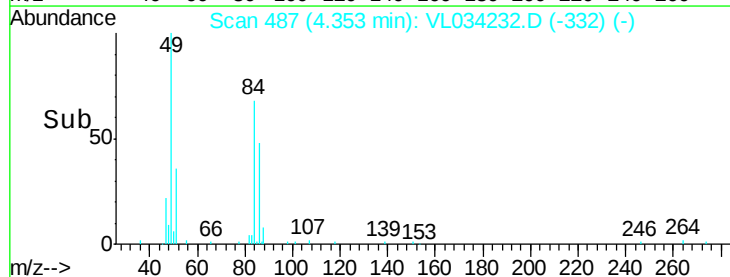
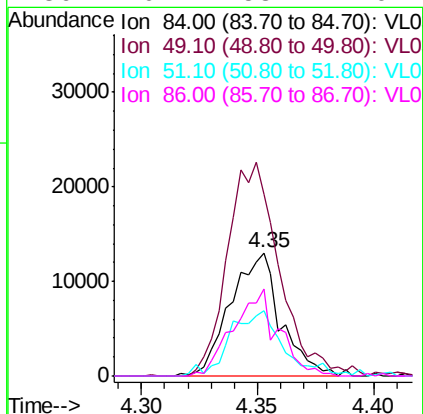
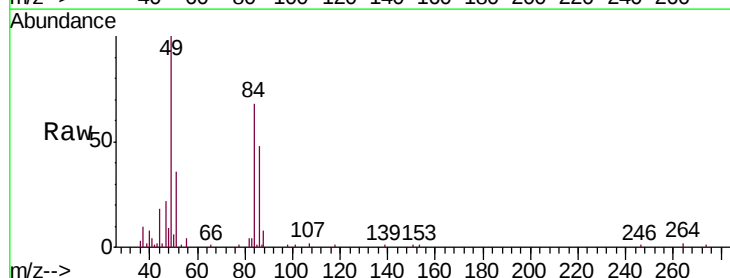
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

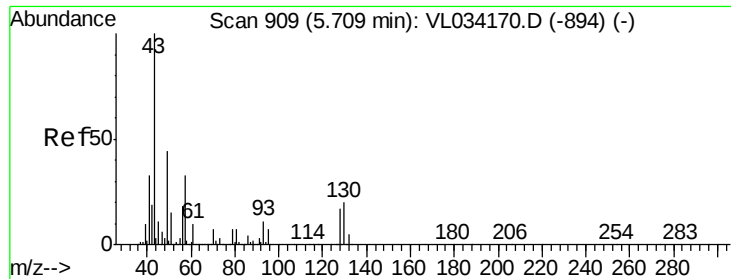
Tgt Ion: 45 Resp: 7614
Ion Ratio Lower Upper
45 100
58 345.8 1.4 2.0#



#20
Methylene Chloride
Concen: 0.460 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL034232.D
Acq: 7 Oct 2019 21:36

Tgt Ion: 84 Resp: 19554
Ion Ratio Lower Upper
84 100
49 147.4 133.8 200.8
51 51.0 43.6 65.4
86 70.4 53.1 79.7

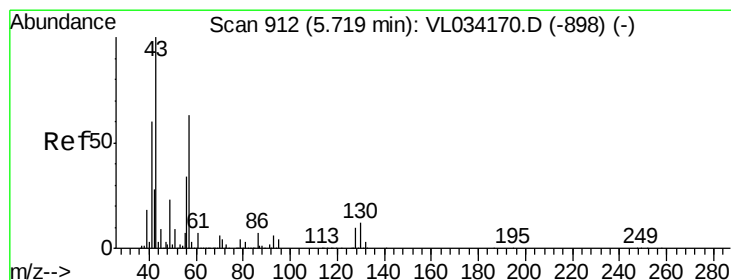
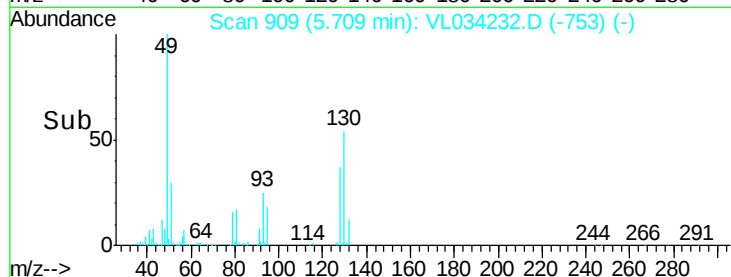
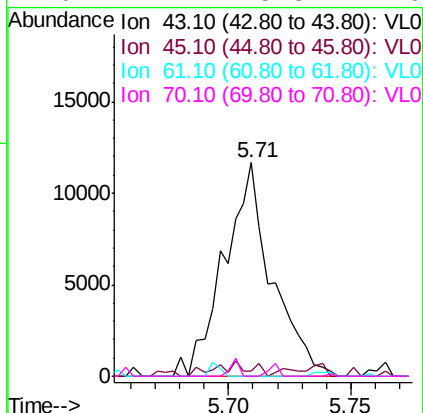
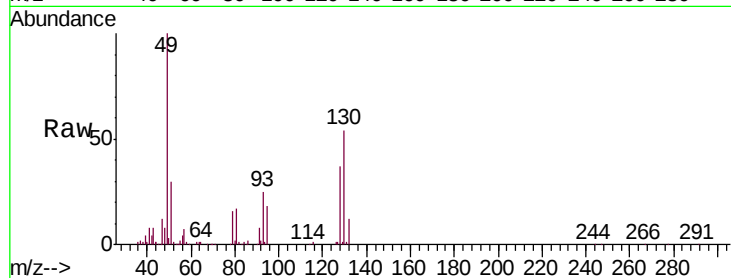




#25
Ethyl Acetate
Concen: 0.056 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.00 min
Lab File: VL034232.D
Acq: 7 Oct 2019 21:36

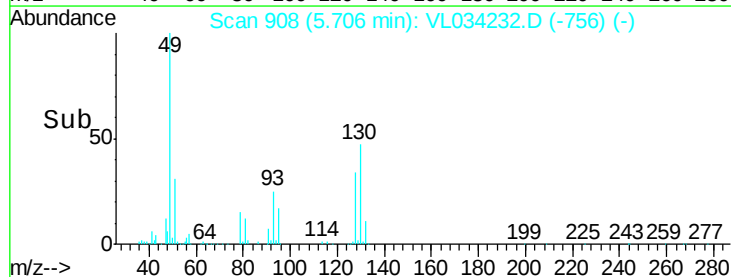
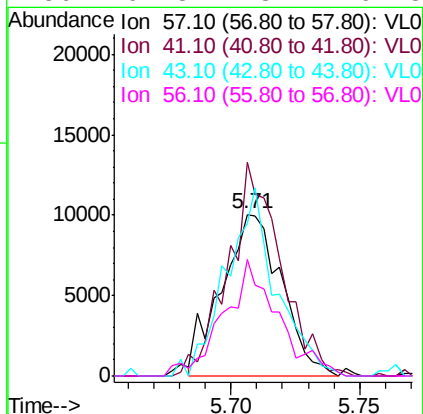
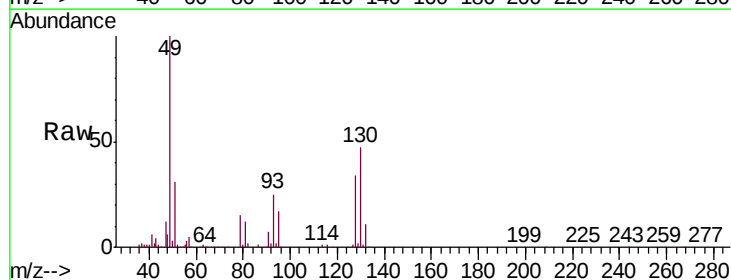
Instrument :
MSVOA_L
ClientSampleId :
QA1DL

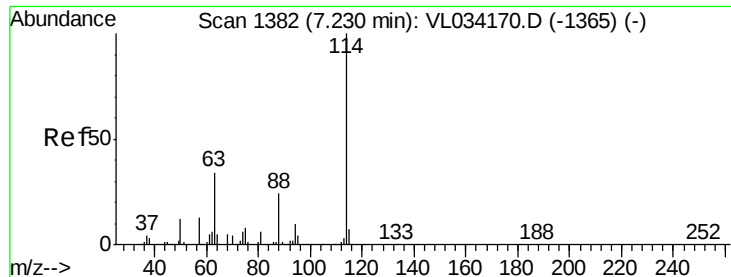
Tgt Ion:	43	Resp:	15645
Ion	Ratio	Lower	Upper
43	100		
45	5.9	8.4	12.6#
61	1.5	7.2	10.8#
70	2.7	5.3	7.9#



#26
Hexane
Concen: 0.141 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.01 min
Lab File: VL034232.D
Acq: 7 Oct 2019 21:36

Tgt Ion:	57	Resp:	16303
Ion	Ratio	Lower	Upper
57	100		
41	116.2	78.5	117.7
43	97.2	189.5	284.3#
56	64.8	43.2	64.8#

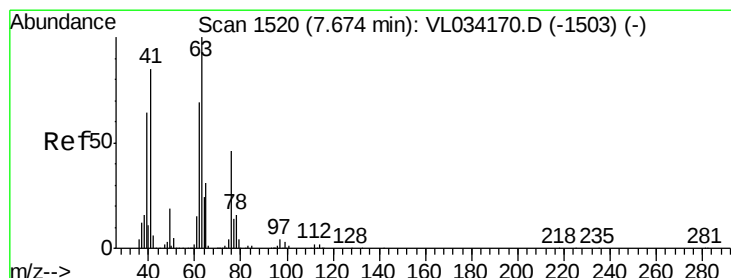
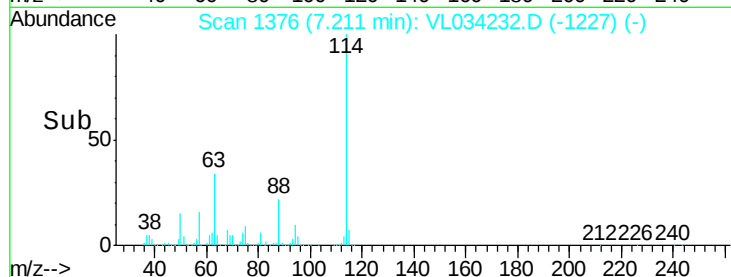
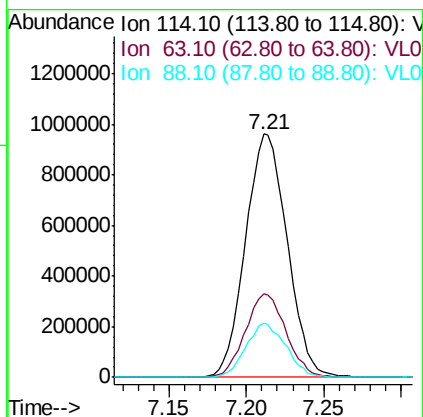
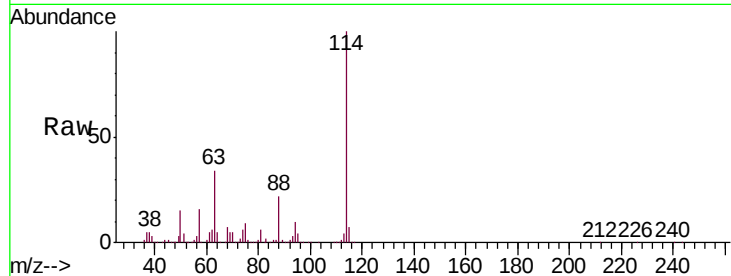




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VL034232.D
 Acq: 7 Oct 2019 21:36

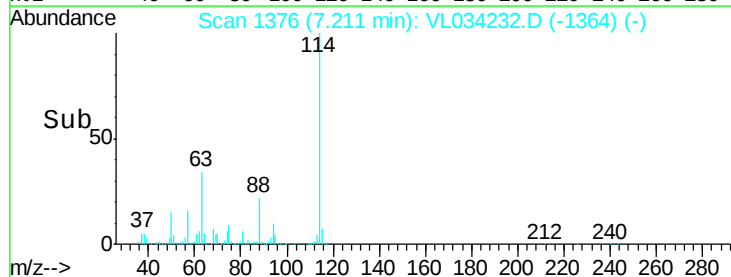
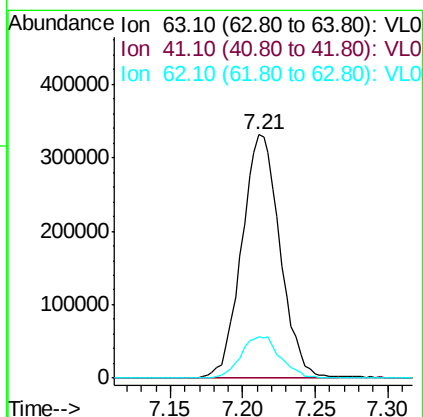
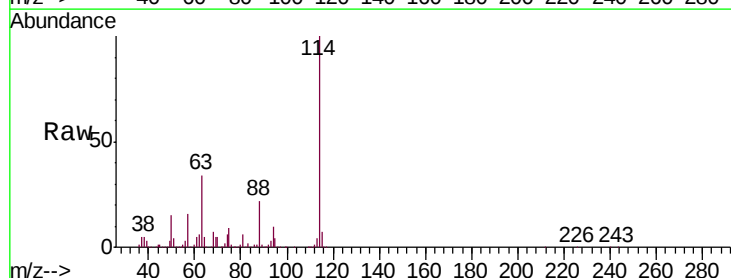
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

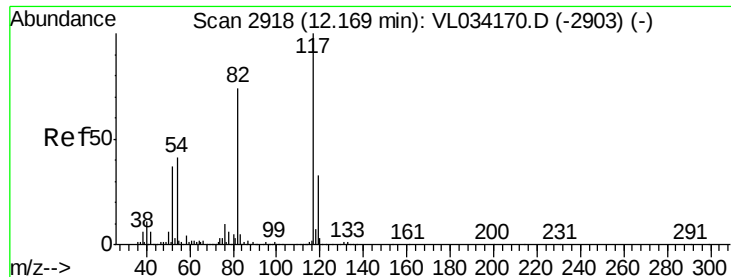
Tgt Ion: 114 Resp: 1799947
 Ion Ratio Lower Upper
 114 100
 63 34.0 27.8 41.6
 88 21.6 17.1 25.7



#39
 1,2-Dichloropropane
 Concen: 6.787 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.46 min
 Lab File: VL034232.D
 Acq: 7 Oct 2019 21:36

Tgt Ion: 63 Resp: 606235
 Ion Ratio Lower Upper
 63 100
 41 0.2 68.4 102.6#
 62 17.1 55.4 83.2#

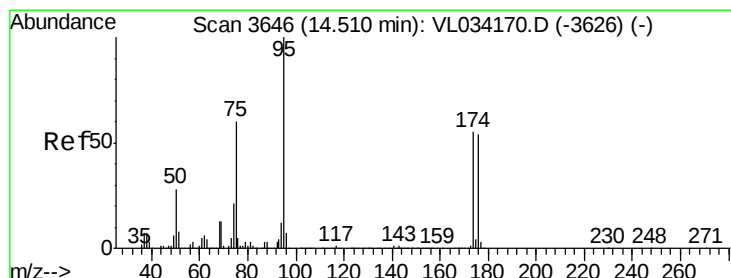
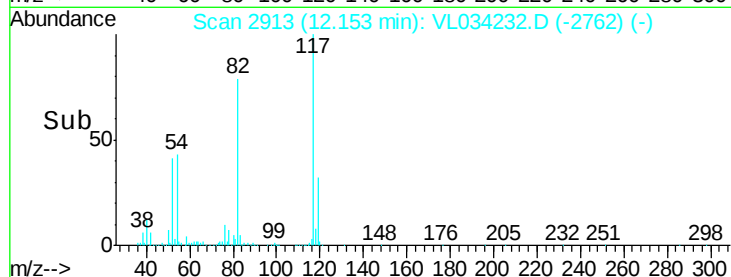
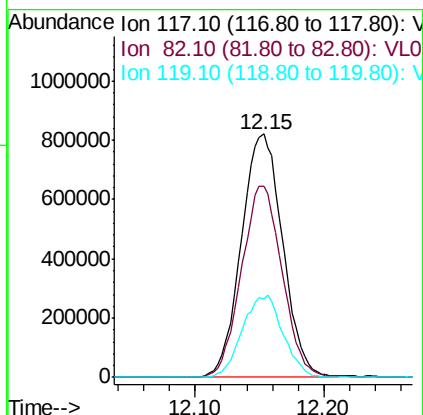
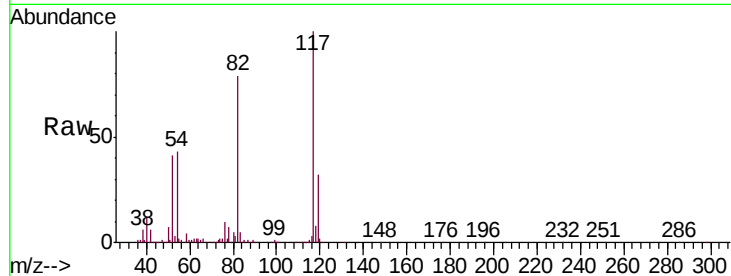




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.02 min
Lab File: VL034232.D
Acq: 7 Oct 2019 21:36

Instrument :
MSVOA_L
ClientSampled :
QA1DL

Tgt Ion: 117 Resp: 1832019
Ion Ratio Lower Upper
117 100
82 77.9 58.2 87.4
119 33.3 23.7 35.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.303 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. -0.02 min
Lab File: VL034232.D
Acq: 7 Oct 2019 21:36

Tgt Ion: 95 Resp: 1640106
Ion Ratio Lower Upper
95 100
174 54.8 45.1 67.7
175 4.1 3.3 4.9

