

Data File : VL034708.D
Acq On : 27 Feb 2020 14:33
Operator : SY/AP
Sample : L1662-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IAS-1-M-ELECT-RMDL

Quant Time: Feb 28 01:07:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1021558	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	2072832	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.14	117	2062572	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1710930	10.12	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

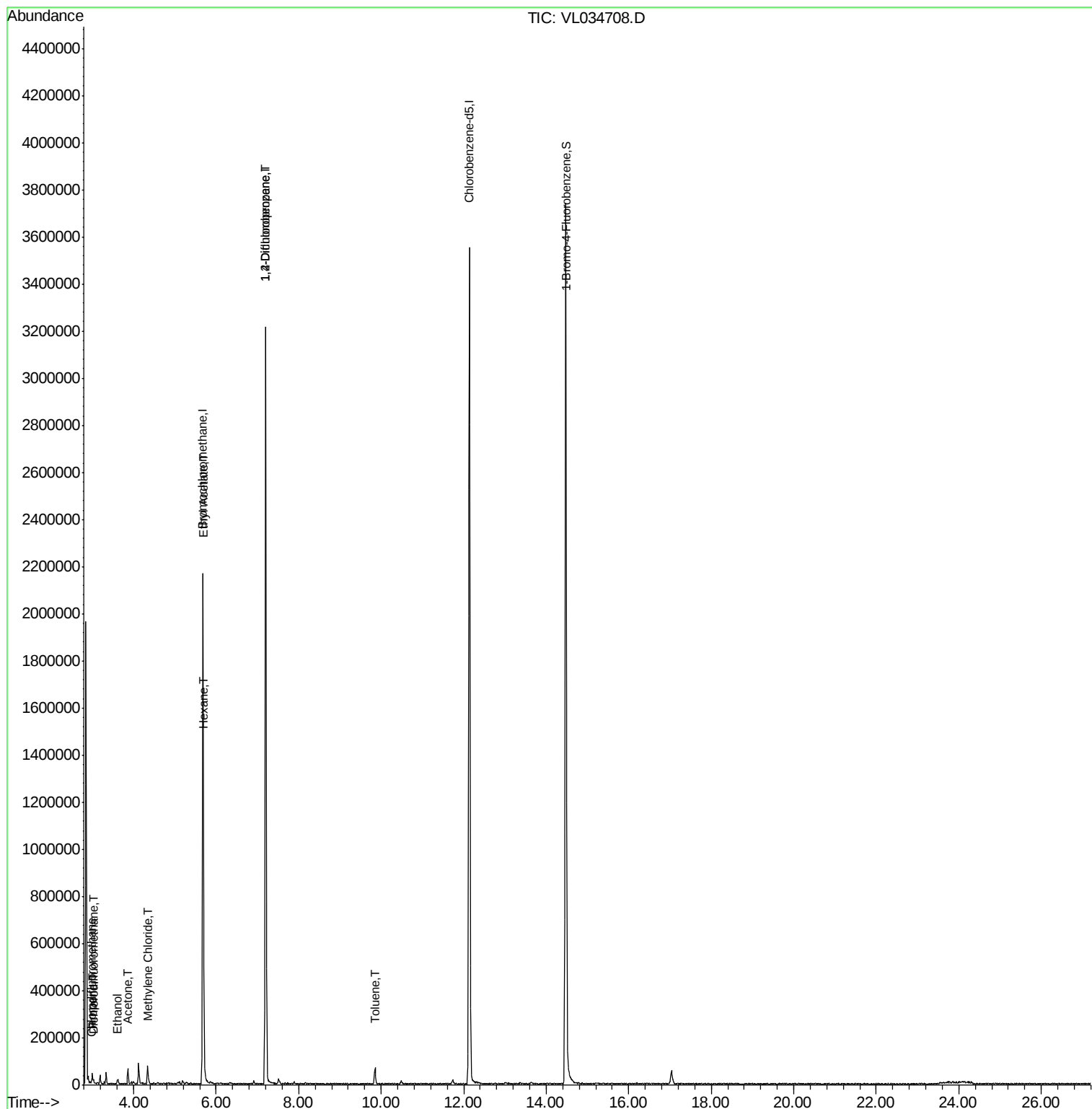
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	10382	0.064	ppbv #	65
3) Chlorodifluoromethane	2.97	51	6472	0.059	ppbv #	83
9) Propene	3.00	41	6362	0.138	ppbv	85
13) Ethanol	3.60	45	18206	1.251	ppbv	99
15) Acetone	3.85	43	51638	0.444	ppbv	93
20) Methylene Chloride	4.34	84	23150	0.535	ppbv #	87
25) Ethyl Acetate	5.69	43	4632	0.022	ppbv #	74
26) Hexane	5.70	57	7583	0.080	ppbv #	37
39) 1,2-Dichloropropane	7.20	63	607274	8.526	ppbv #	25
53) Toluene	9.85	91	43015	0.226	ppbv	92

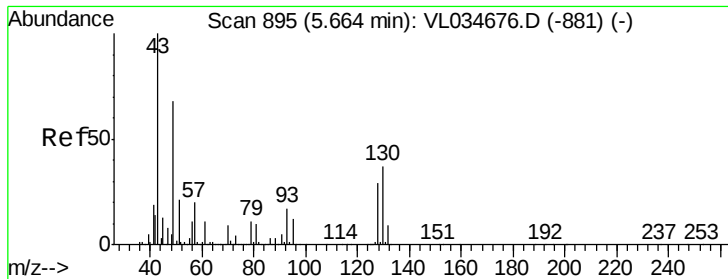
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

IAS-1-M-ELECT-RMDL

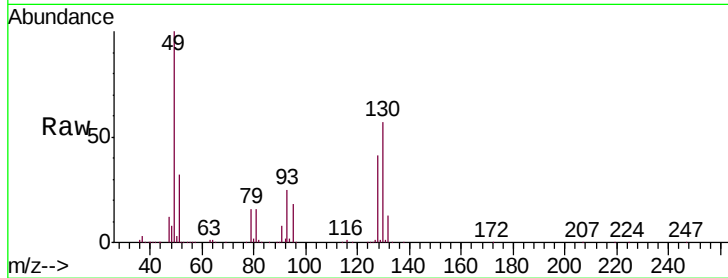
Tgt Ion: 49 Resp: 1021558

Ion Ratio Lower Upper

49 100

128 44.0 21.6 65.0

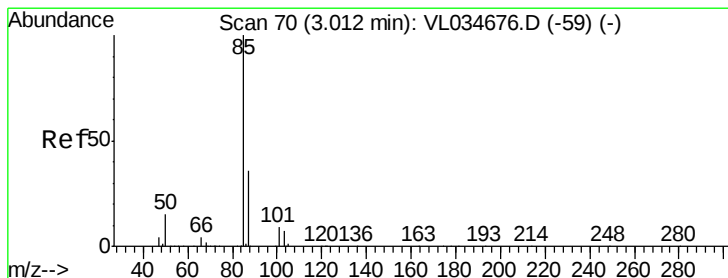
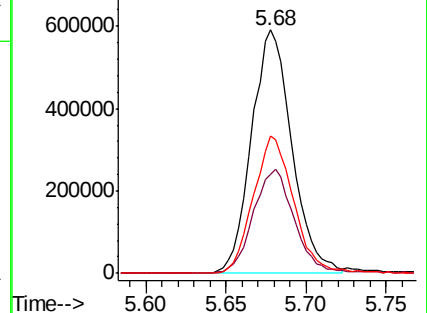
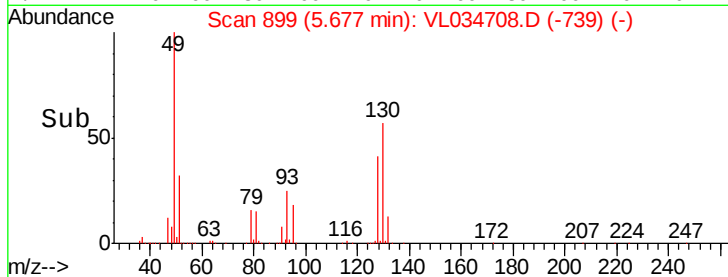
130 57.2 27.7 83.1



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: 0.064 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL034708.D

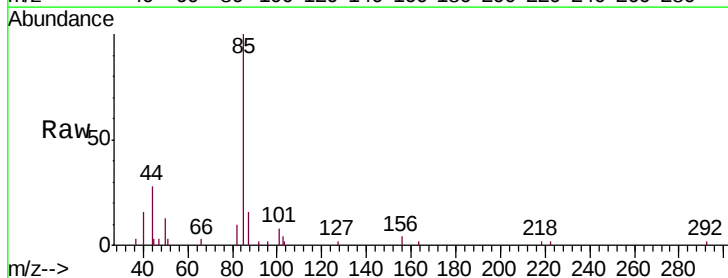
Acq: 27 Feb 2020 14:33

Tgt Ion: 85 Resp: 10382

Ion Ratio Lower Upper

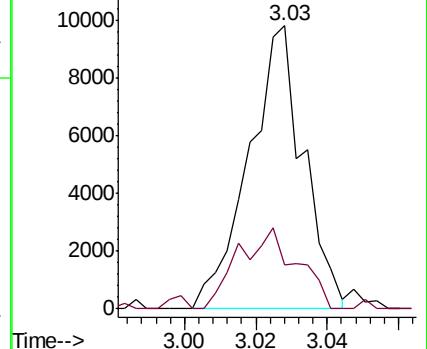
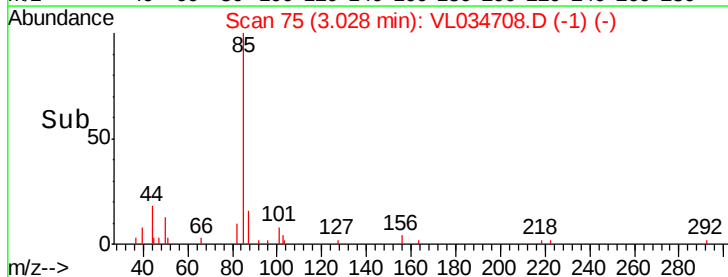
85 100

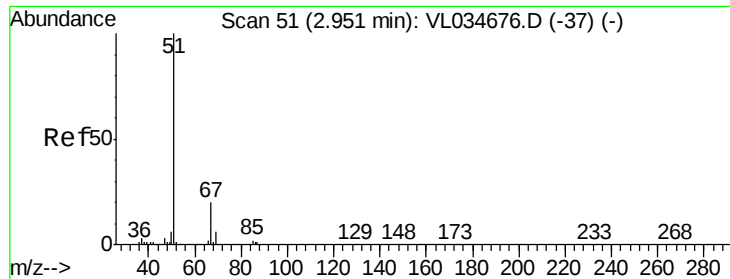
87 15.7 29.2 43.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

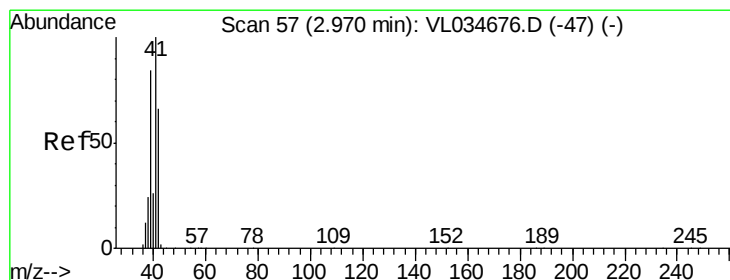
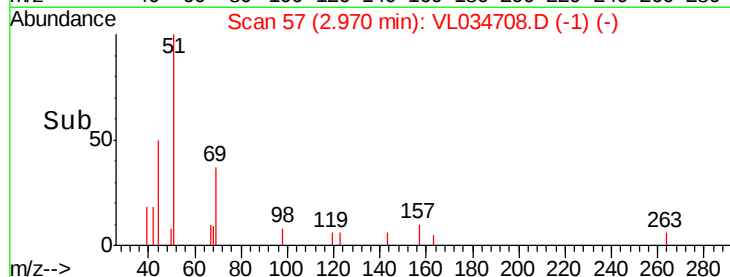
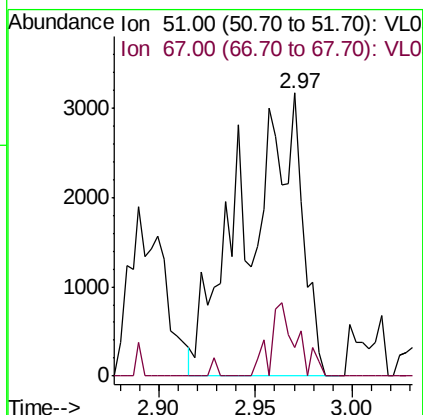
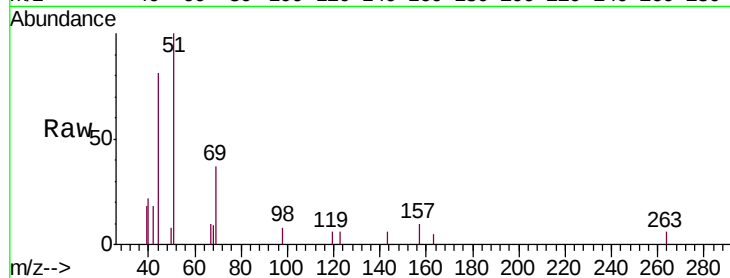




#3
Chlorodifluoromethane
Concen: 0.059 ppbv
RT: 2.97 min Scan# 57
Delta R.T. 0.02 min
Lab File: VL034708.D
Acq: 27 Feb 2020 14:33

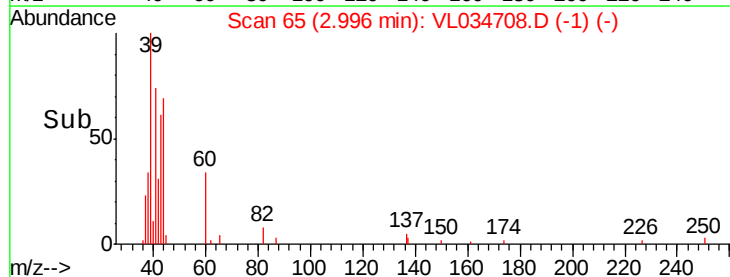
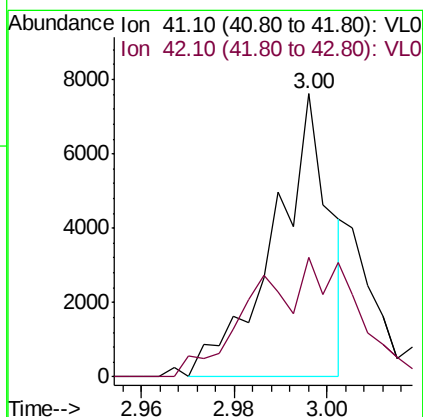
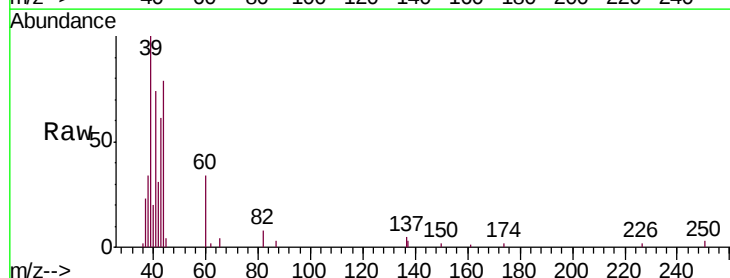
Instrument :
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ClientSampleId :
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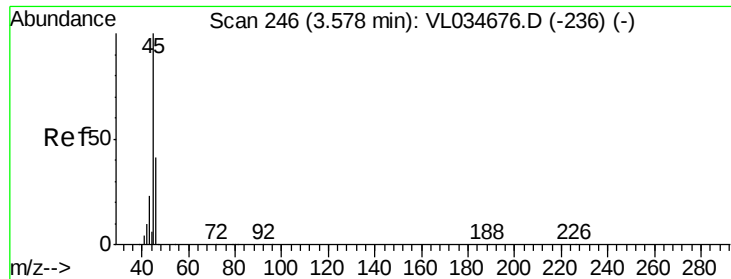
Tgt Ion: 51 Resp: 6472
Ion Ratio Lower Upper
51 100
67 11.7 15.5 23.3#



#9
Propene
Concen: 0.138 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.03 min
Lab File: VL034708.D
Acq: 27 Feb 2020 14:33

Tgt Ion: 41 Resp: 6362
Ion Ratio Lower Upper
41 100
42 80.9 54.9 82.3





#13

Ethanol

Concen: 1.251 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.03 min

Lab File: VL034708.D

Acq: 27 Feb 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

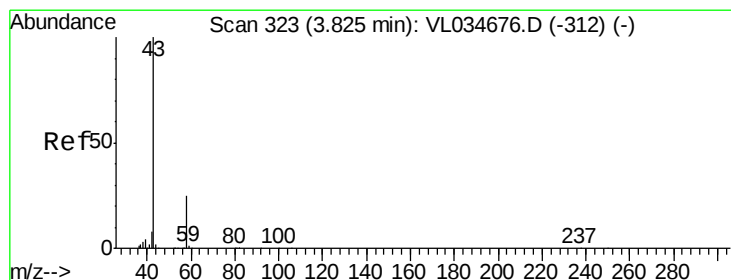
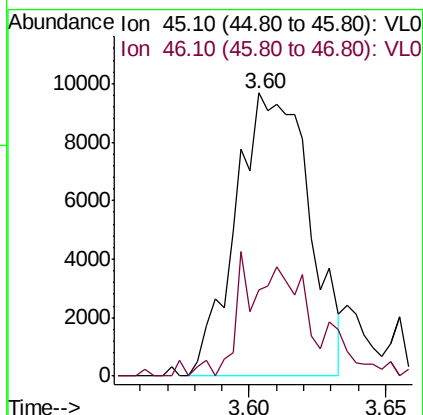
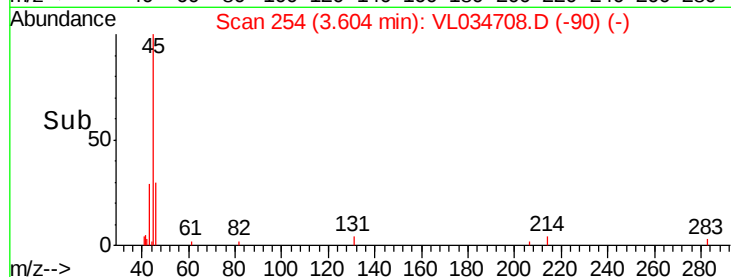
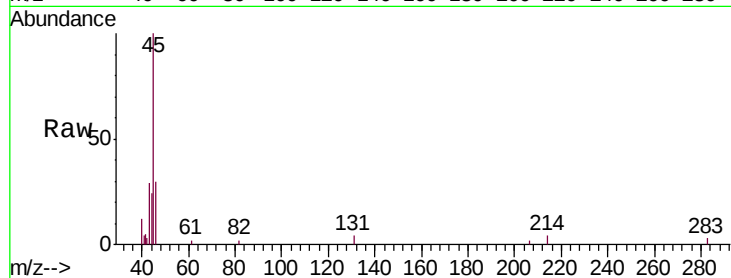
IAS-1-M-ELECT-RMDL

Tgt Ion: 45 Resp: 18206

Ion Ratio Lower Upper

45 100

46 39.0 15.4 61.4



#15

Acetone

Concen: 0.444 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.03 min

Lab File: VL034708.D

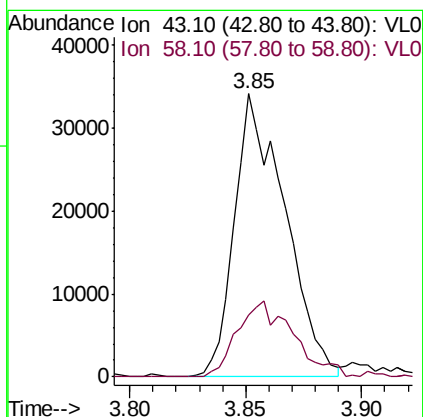
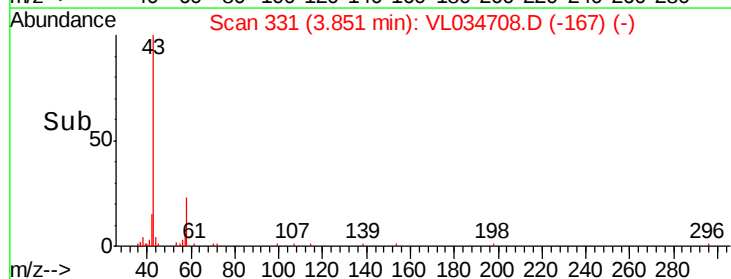
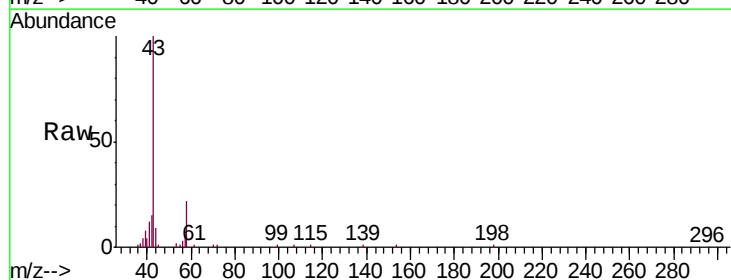
Acq: 27 Feb 2020 14:33

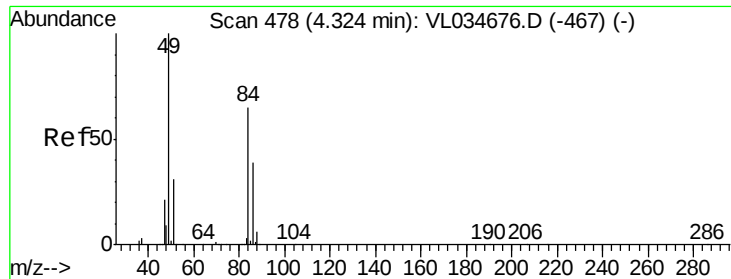
Tgt Ion: 43 Resp: 51638

Ion Ratio Lower Upper

43 100

58 30.1 21.4 32.0

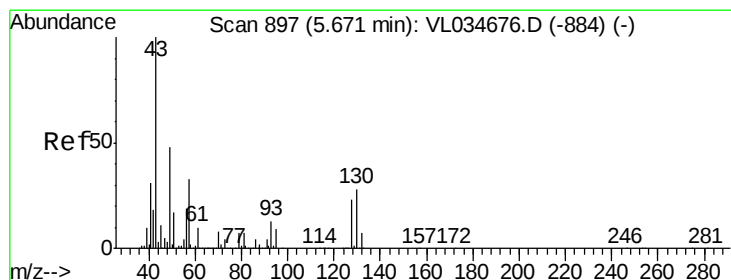
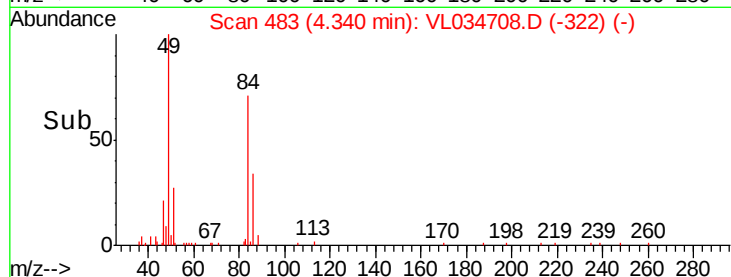
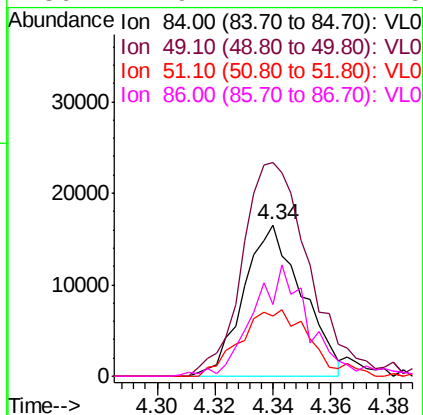
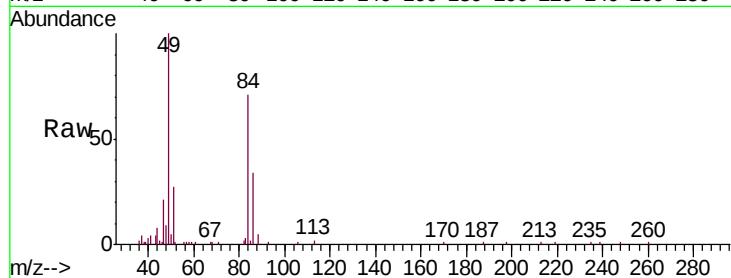




#20
Methylene Chloride
Concen: 0.535 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.02 min
Lab File: VL034708.D
Acq: 27 Feb 2020 14:33

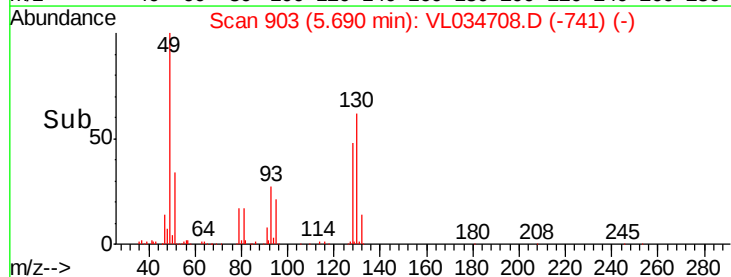
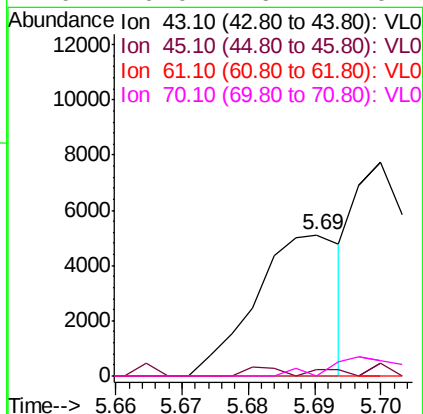
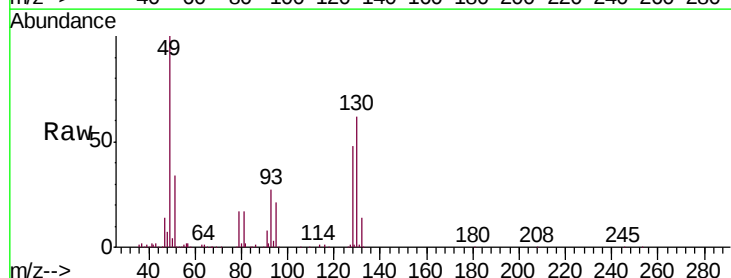
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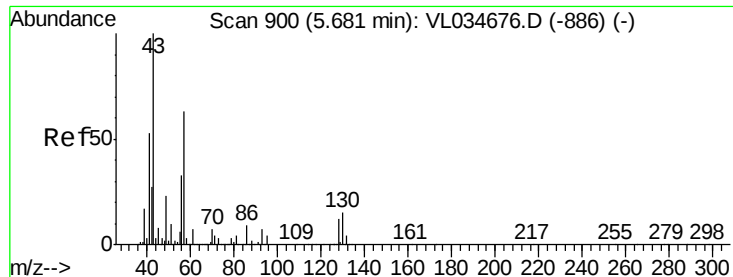
Tgt Ion: 84 Resp: 23150
Ion Ratio Lower Upper
84 100
49 140.9 122.8 184.2
51 39.7 38.6 58.0
86 44.9 47.7 71.5#



#25
Ethyl Acetate
Concen: 0.022 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL034708.D
Acq: 27 Feb 2020 14:33

Tgt Ion: 43 Resp: 4632
Ion Ratio Lower Upper
43 100
45 0.0 8.2 12.4#
61 0.0 7.8 11.6#
70 0.0 6.1 9.1#

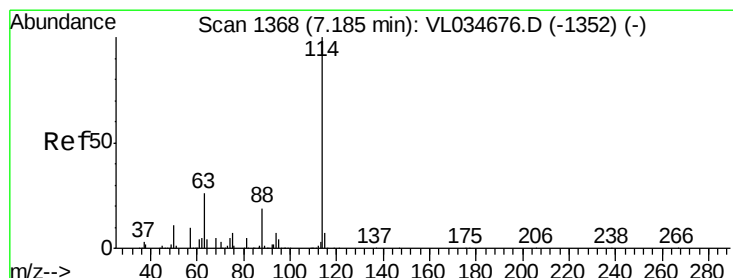
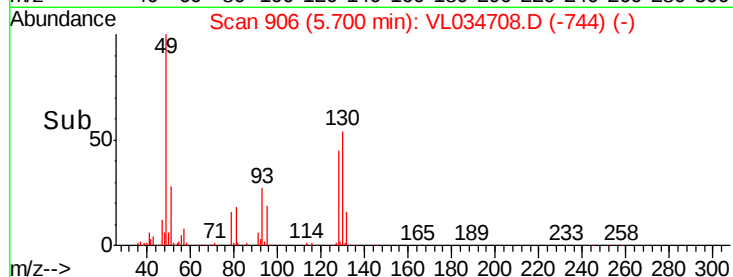
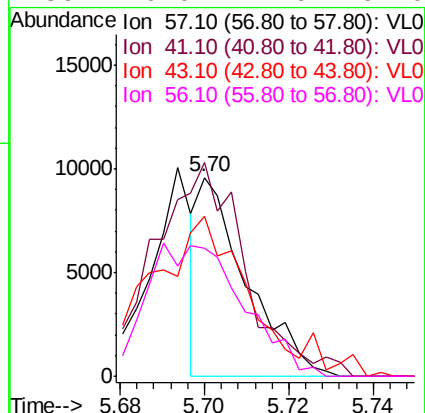
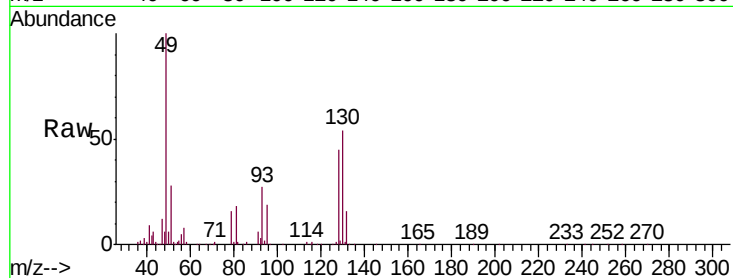




#26
Hexane
Concen: 0.080 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.02 min
Lab File: VL034708.D
Acq: 27 Feb 2020 14:33

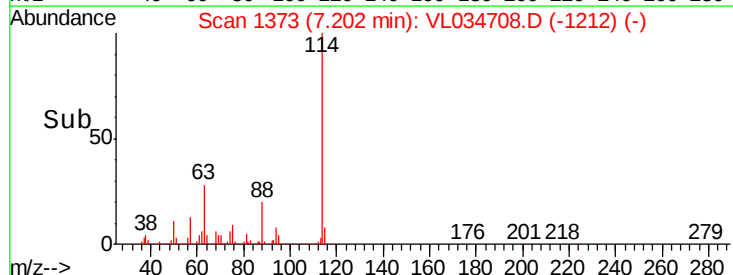
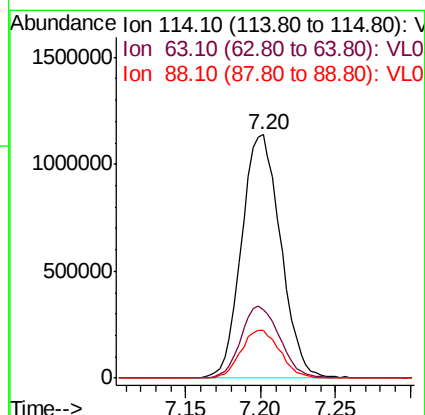
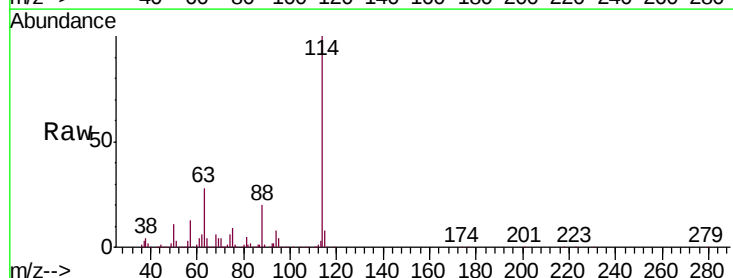
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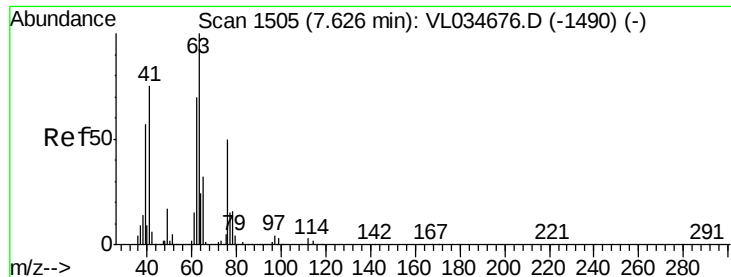
Tgt Ion: 57 Resp: 7583
Ion Ratio Lower Upper
57 100
41 211.9 70.3 105.5#
43 169.7 177.0 265.4#
56 0.0 42.6 64.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1373
Delta R.T. 0.02 min
Lab File: VL034708.D
Acq: 27 Feb 2020 14:33

Tgt Ion: 114 Resp: 2072832
Ion Ratio Lower Upper
114 100
63 29.5 22.9 34.3
88 19.6 15.8 23.6





#39

1,2-Dichloropropane

Concen: 8.526 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.43 min

Lab File: VL034708.D

Acq: 27 Feb 2020 14:33

Instrument :

MSVOA_L

ClientSampleId :

IAS-1-M-ELECT-RMDL

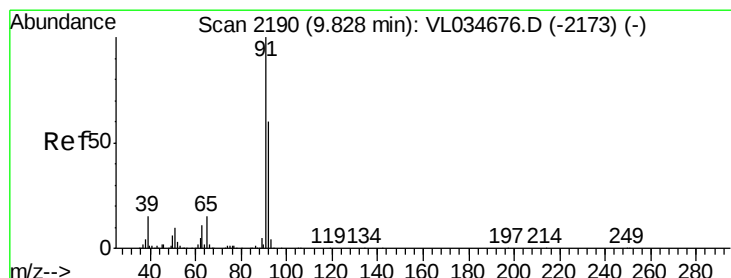
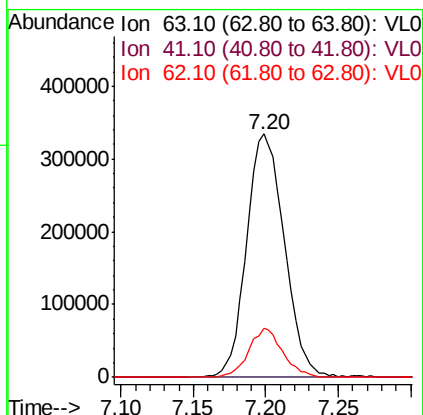
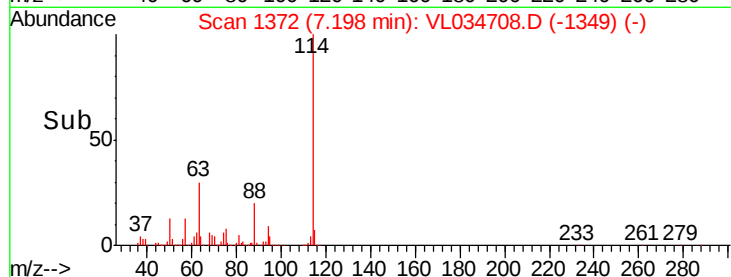
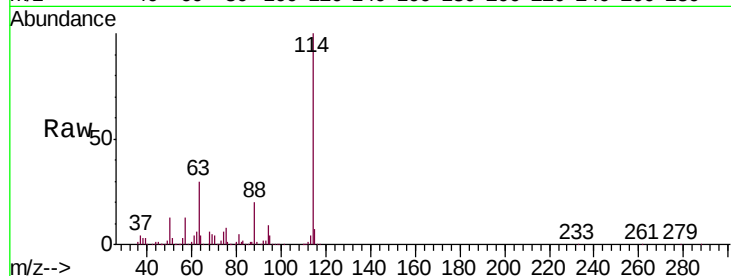
Tgt Ion: 63 Resp: 607274

Ion Ratio Lower Upper

63 100

41 0.1 60.2 90.4#

62 20.4 56.3 84.5#



#53

Toluene

Concen: 0.226 ppbv

RT: 9.85 min Scan# 2197

Delta R.T. 0.02 min

Lab File: VL034708.D

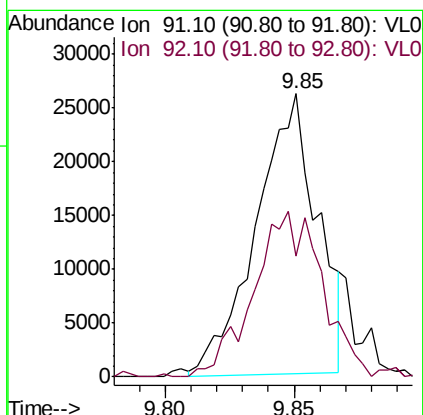
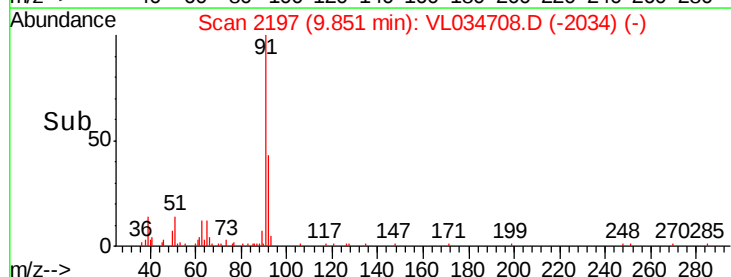
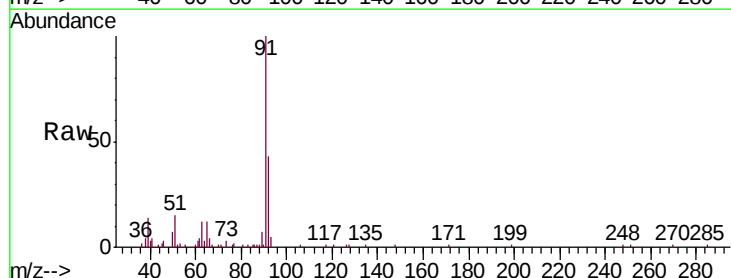
Acq: 27 Feb 2020 14:33

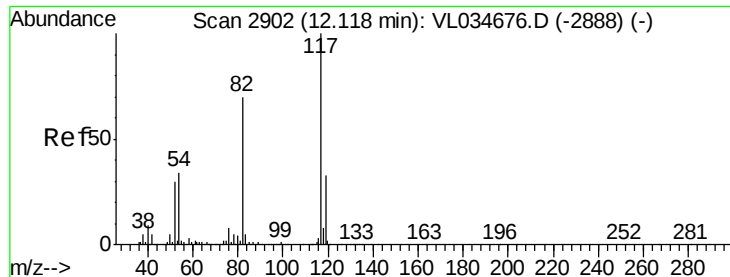
Tgt Ion: 91 Resp: 43015

Ion Ratio Lower Upper

91 100

92 67.0 48.5 72.7

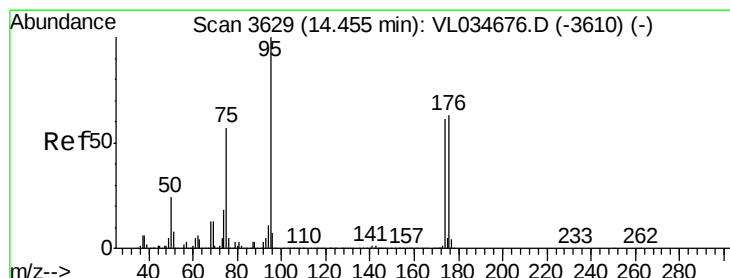
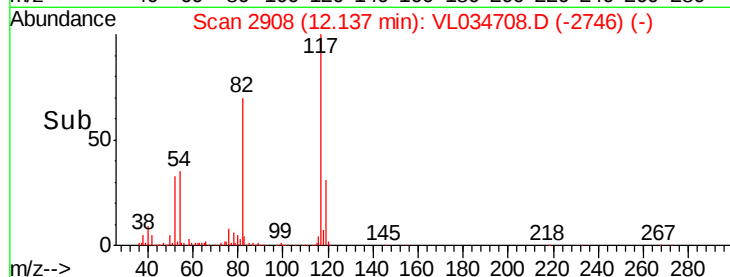
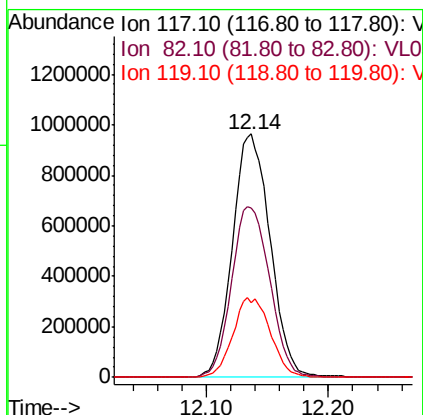
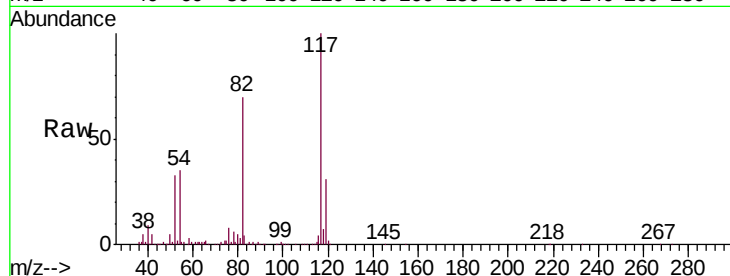




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.02 min
Lab File: VL034708.D
Acq: 27 Feb 2020 14:33

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Tgt Ion: 117 Resp: 2062572
Ion Ratio Lower Upper
117 100
82 71.2 54.1 81.1
119 32.5 27.6 41.4



#68
1-Bromo-4-Fluorobenzene
Concen: 10.116 ppbv
RT: 14.47 min Scan# 3634
Delta R.T. 0.02 min
Lab File: VL034708.D
Acq: 27 Feb 2020 14:33

Tgt Ion: 95 Resp: 1710930
Ion Ratio Lower Upper
95 100
174 63.9 50.7 76.1
175 4.7 3.9 5.9

