

Data File : VL032726.D
Acq On : 7 Nov 2018 20:58
Operator : SY/AP
Sample : J5823-07DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-01DL

Quant Time: Nov 08 10:55:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 25 05:15:43 2018
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1431438	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3498331	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3470848	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2596239	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	5414	0.037	ppbv	95
4) Chloromethane	3.18	50	2264	0.036	ppbv #	58
9) Propene	3.25	41	13352	0.290	ppbv	84
15) Acetone	3.92	43	126849	0.960	ppbv	95
20) Methylene Chloride	4.42	84	17914	0.267	ppbv	98
25) Ethyl Acetate	5.79	43	45373	0.149	ppbv #	85
26) Hexane	5.79	57	54757	0.380	ppbv #	45
34) 2-Butanone	5.37	43	10709	0.057	ppbv	95
39) 1,2-Dichloropropane	7.30	63	897119	8.178	ppbv #	25
53) Toluene	9.96	91	178808	0.549	ppbv	97

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

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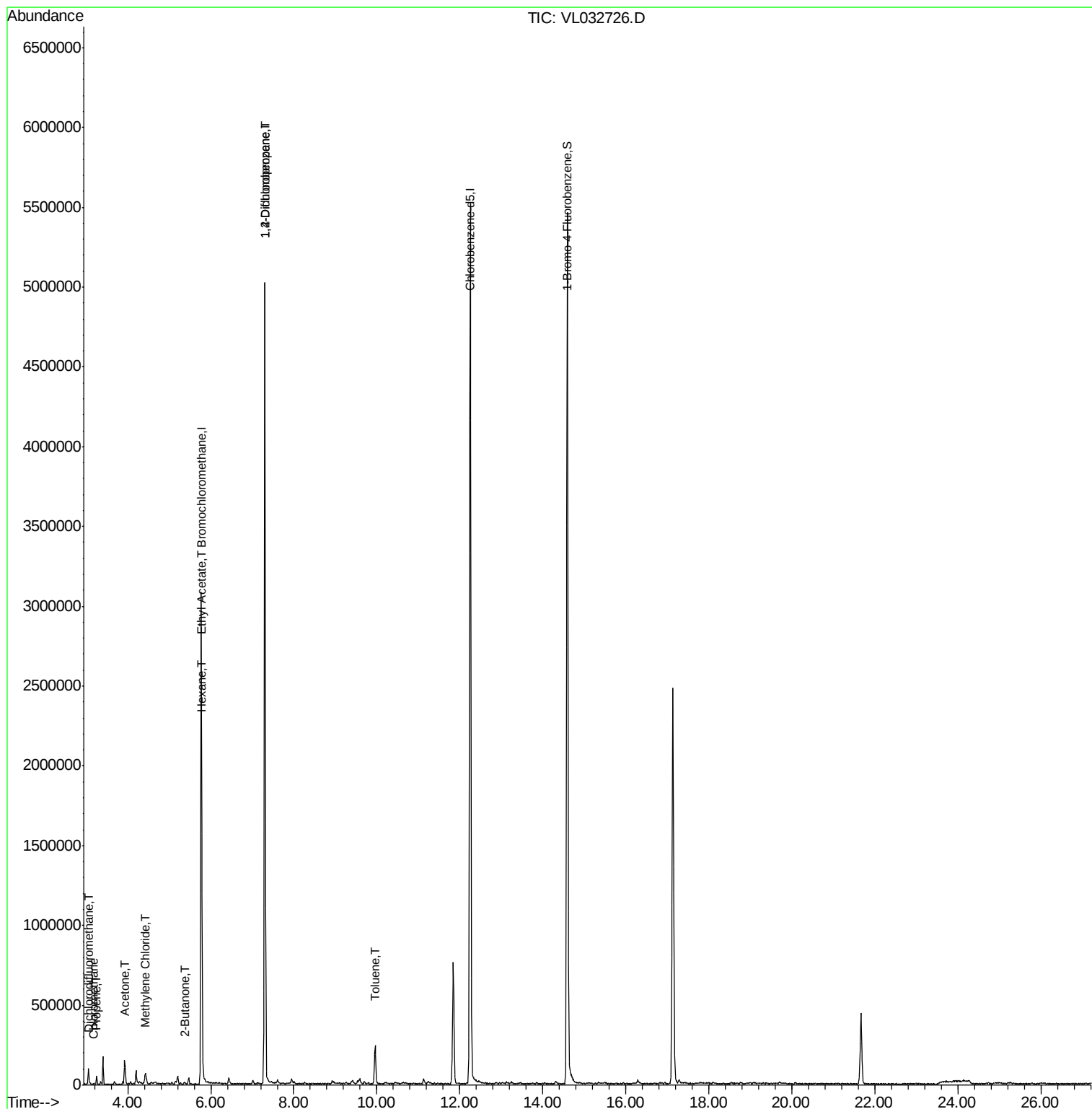
Quant Time: Nov 08 10:55:30 2018

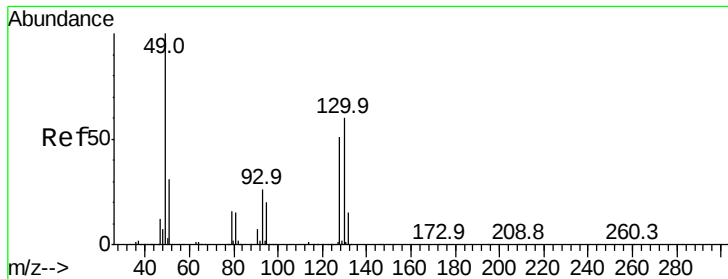
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 25 05:15:43 2018

QLast Update : Thu Oct 25 05:15:43 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

AA-01DL

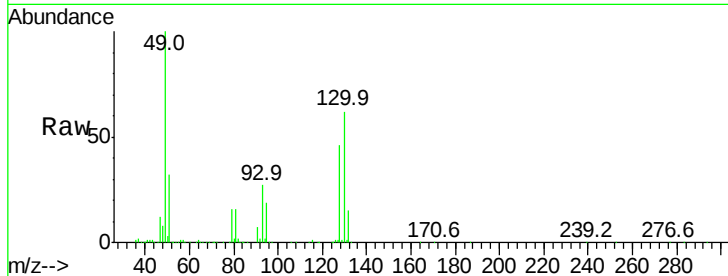
Tgt Ion: 49 Resp: 1431438

Ion Ratio Lower Upper

49 100

128 49.0 22.3 66.8

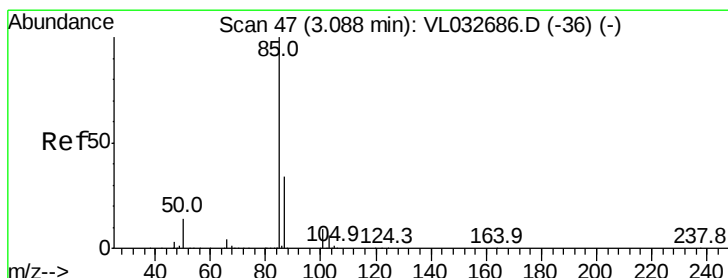
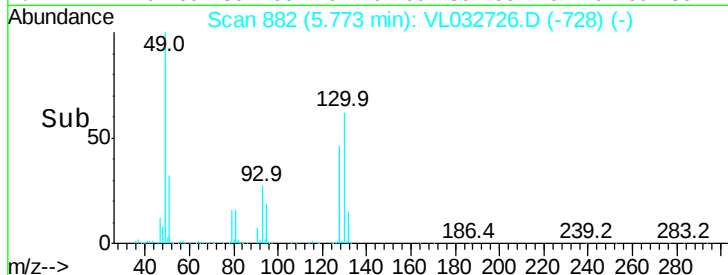
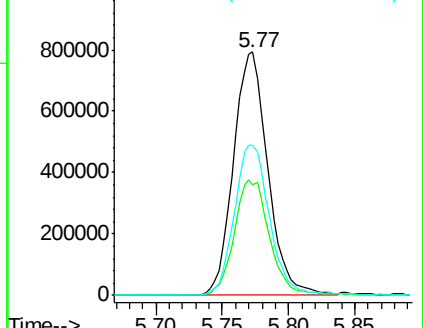
130 63.9 28.4 85.3



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: 0.037 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.01 min

Lab File: VL032726.D

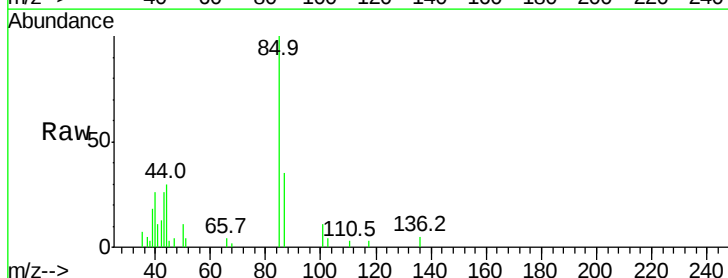
Acq: 7 Nov 2018 20:58

Tgt Ion: 85 Resp: 5414

Ion Ratio Lower Upper

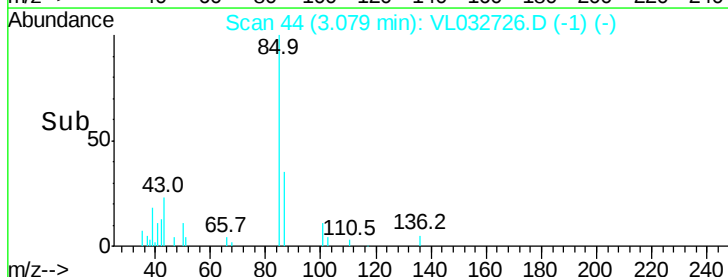
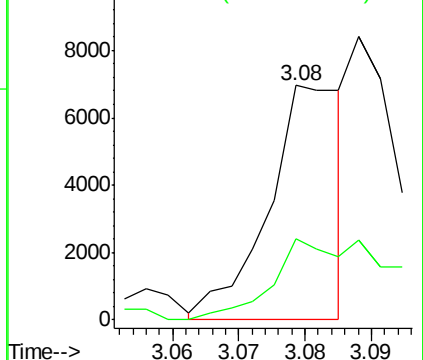
85 100

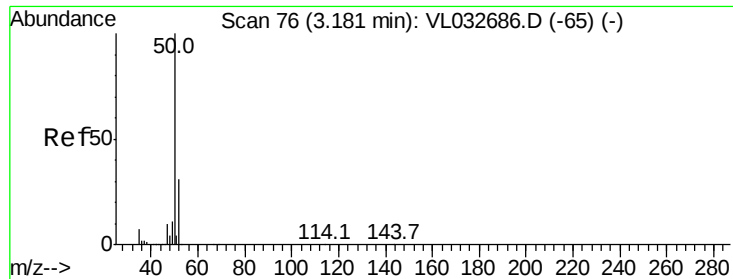
87 35.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.036 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL032726.D

Acq: 7 Nov 2018 20:58

Instrument :

MSVOA_L

ClientSampled :

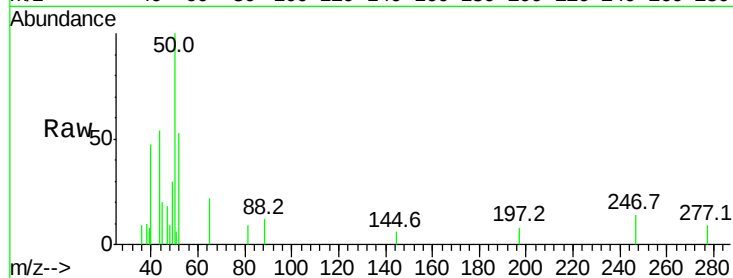
AA-01DL

Tgt Ion: 50 Resp: 2264

Ion Ratio Lower Upper

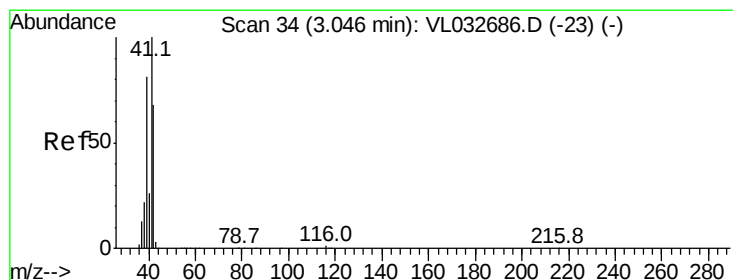
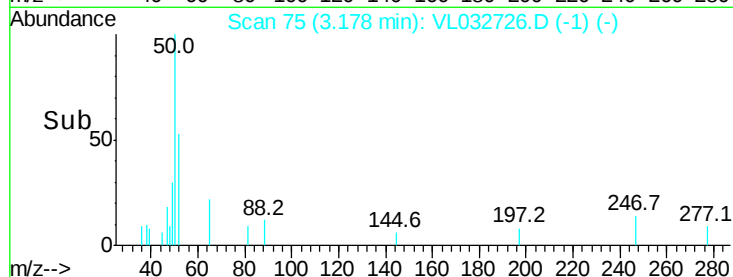
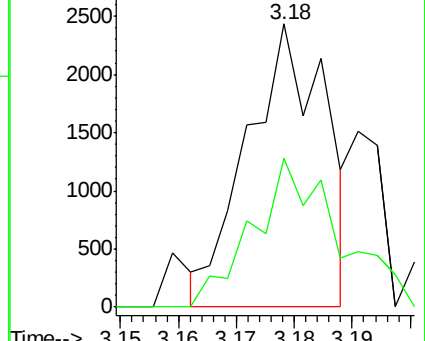
50 100

52 55.9 25.9 38.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.290 ppbv

RT: 3.25 min Scan# 96

Delta R.T. 0.20 min

Lab File: VL032726.D

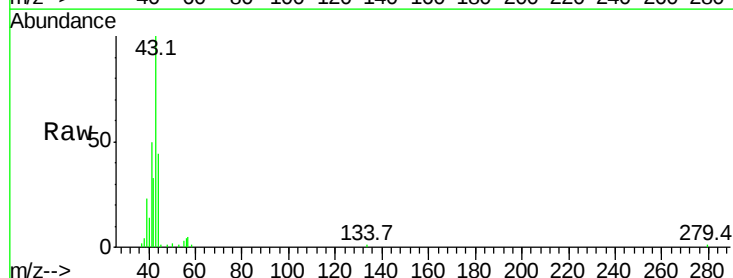
Acq: 7 Nov 2018 20:58

Tgt Ion: 41 Resp: 13352

Ion Ratio Lower Upper

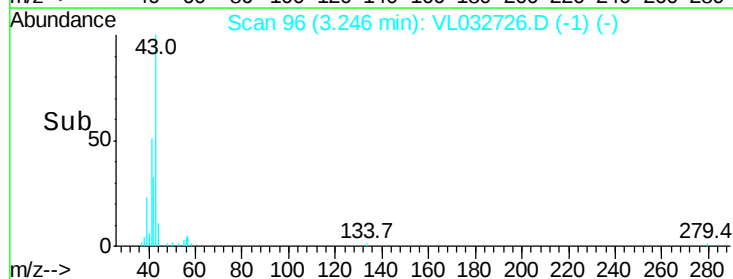
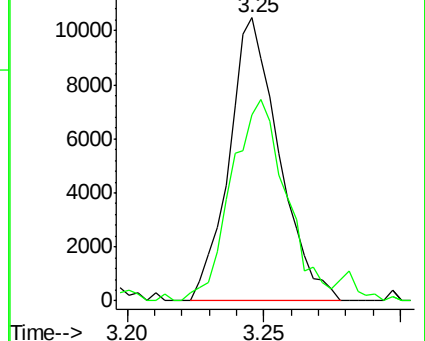
41 100

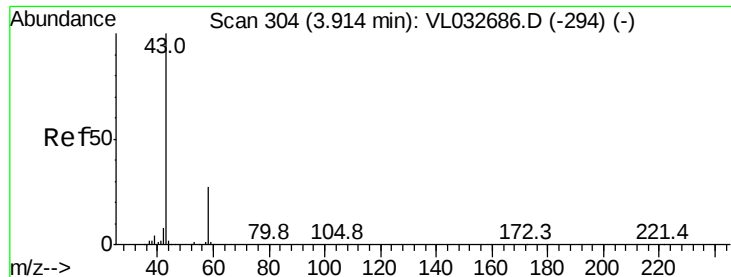
42 82.2 55.4 83.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.960 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.01 min

Lab File: VL032726.D

Acq: 7 Nov 2018 20:58

Instrument :

MSVOA_L

ClientSampleId :

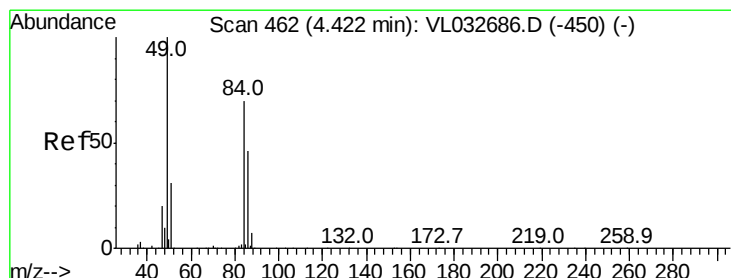
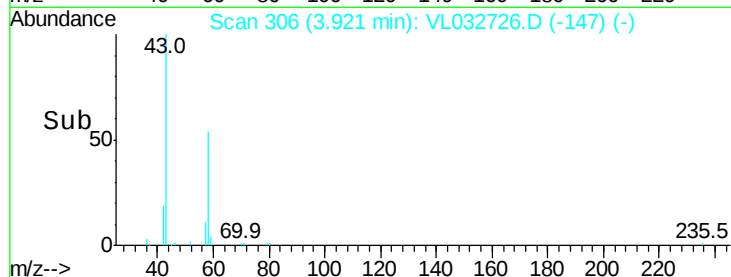
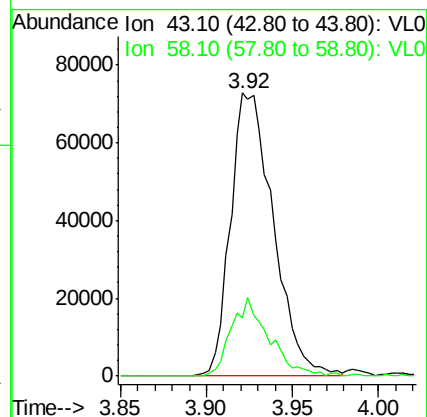
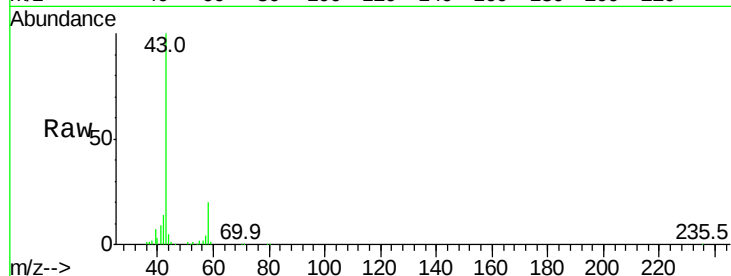
AA-01DL

Tgt Ion: 43 Resp: 126849

Ion Ratio Lower Upper

43 100

58 24.8 22.1 33.1



#20

Methylene Chloride

Concen: 0.267 ppbv

RT: 4.42 min Scan# 460

Delta R.T. -0.00 min

Lab File: VL032726.D

Acq: 7 Nov 2018 20:58

Tgt Ion: 84 Resp: 17914

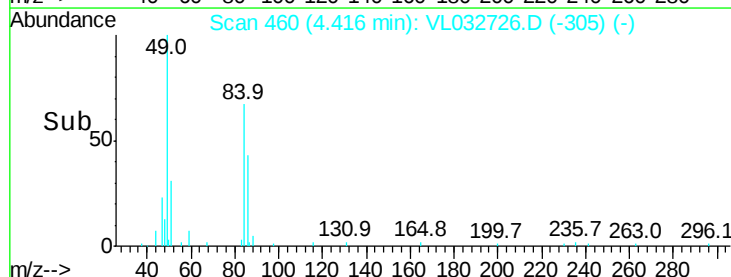
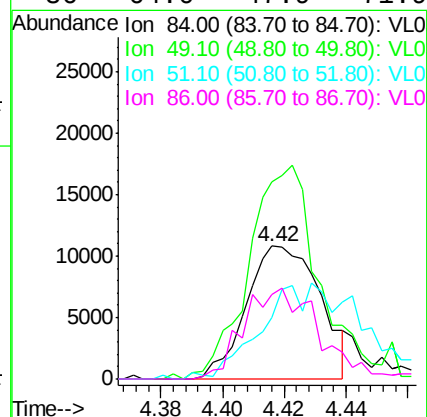
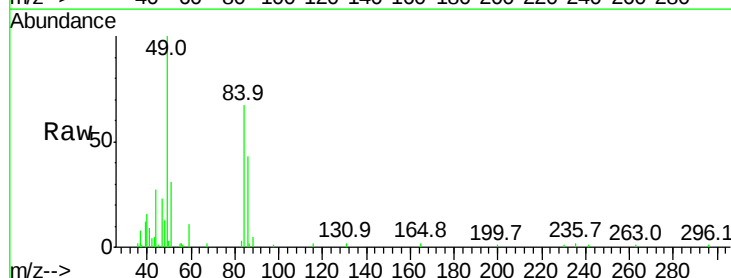
Ion Ratio Lower Upper

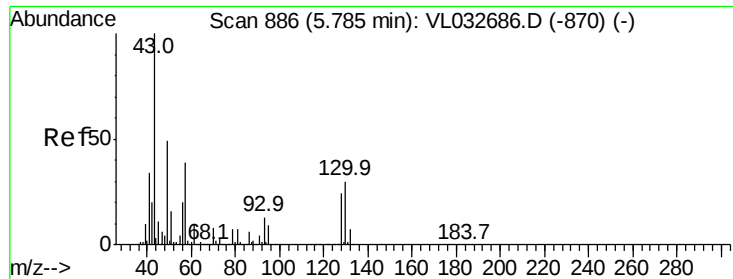
84 100

49 142.3 113.5 170.3

51 42.1 34.8 52.2

86 64.0 47.9 71.9

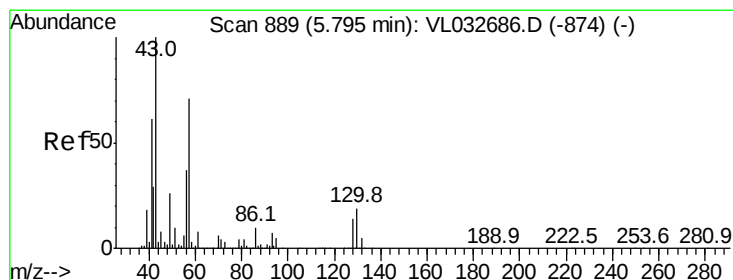
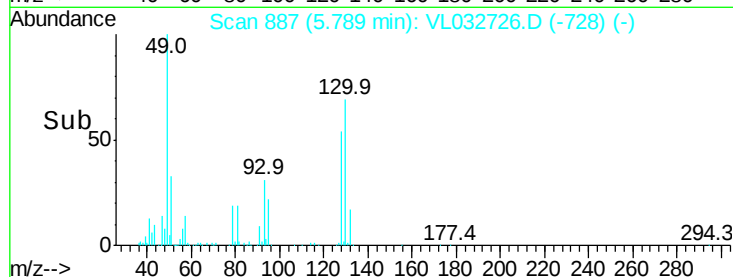
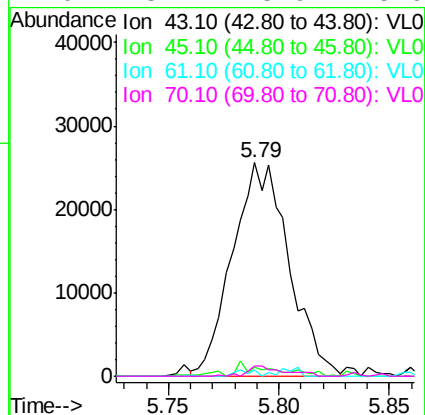
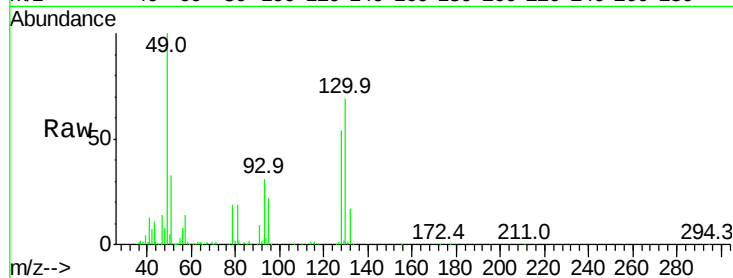




#25
Ethyl Acetate
Concen: 0.149 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL032726.D
Acq: 7 Nov 2018 20:58

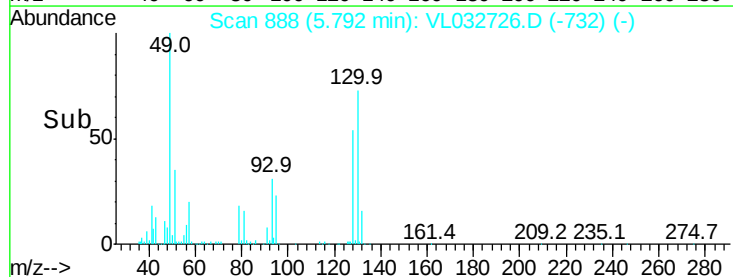
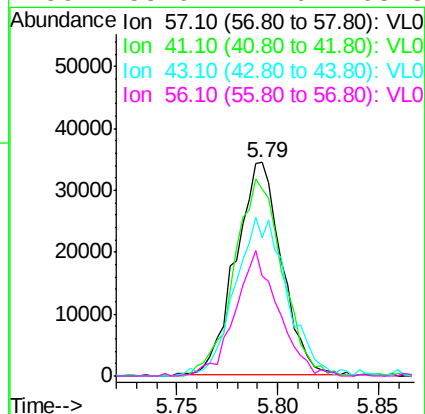
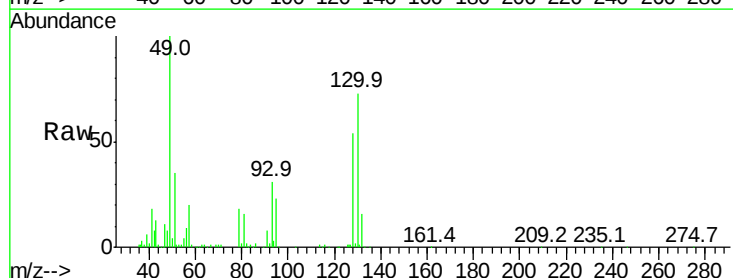
Instrument :
MSVOA_L
ClientSampleId :
AA-01DL

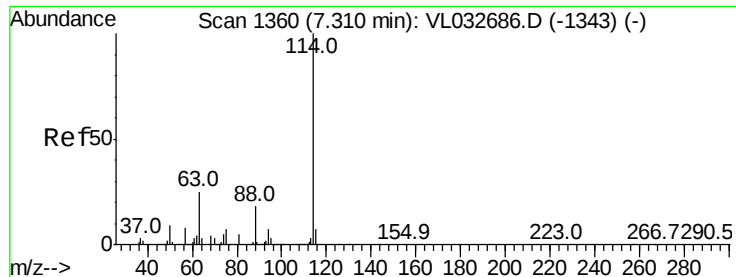
Tgt Ion:	43	Resp:	45373
Ion	Ratio	Lower	Upper
43	100		
45	5.4	8.0	12.0#
61	2.4	8.0	12.0#
70	3.2	5.9	8.9#



#26
Hexane
Concen: 0.380 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032726.D
Acq: 7 Nov 2018 20:58

Tgt Ion:	57	Resp:	54757
Ion	Ratio	Lower	Upper
57	100		
41	98.2	67.4	101.0
43	84.4	171.9	257.9#
56	55.9	42.6	63.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VL032726.D

Acq: 7 Nov 2018 20:58

Instrument :

MSVOA_L

ClientSampleId :

AA-01DL

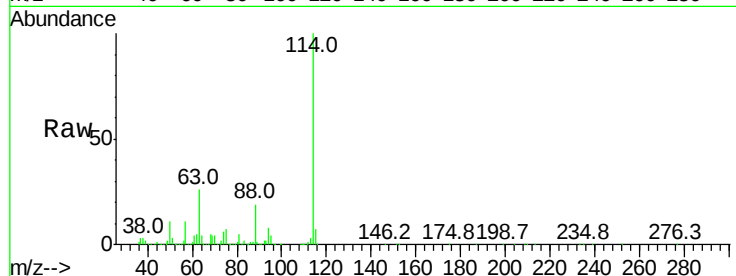
Tgt Ion:114 Resp: 3498331

Ion Ratio Lower Upper

114 100

63 25.8 21.7 32.5

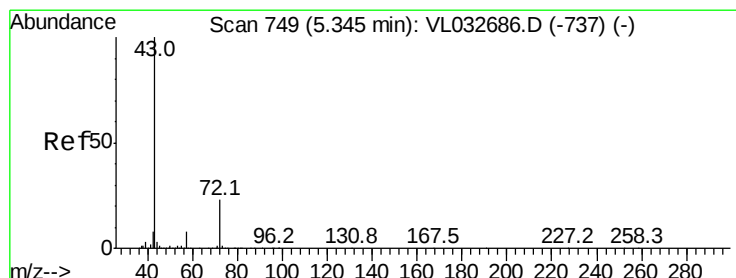
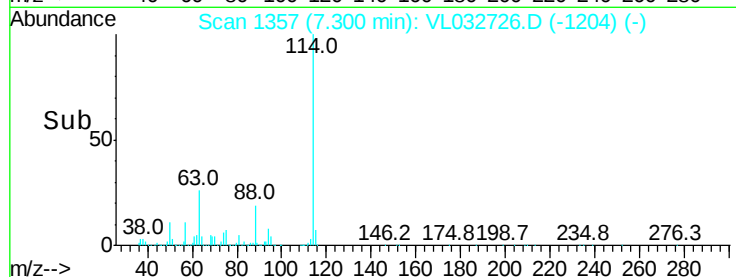
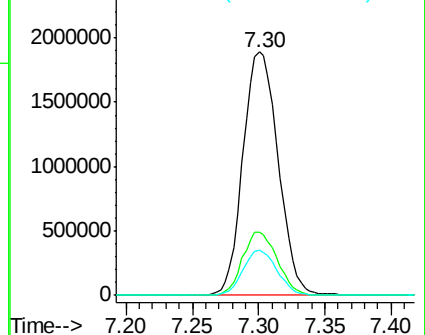
88 18.0 14.9 22.3



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.057 ppbv

RT: 5.37 min Scan# 756

Delta R.T. 0.03 min

Lab File: VL032726.D

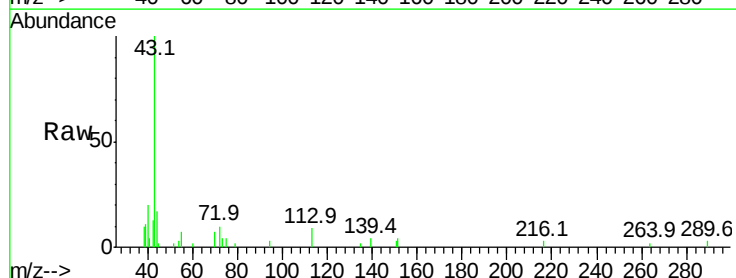
Acq: 7 Nov 2018 20:58

Tgt Ion: 43 Resp: 10709

Ion Ratio Lower Upper

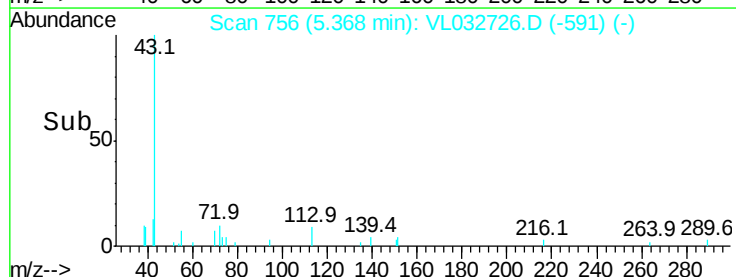
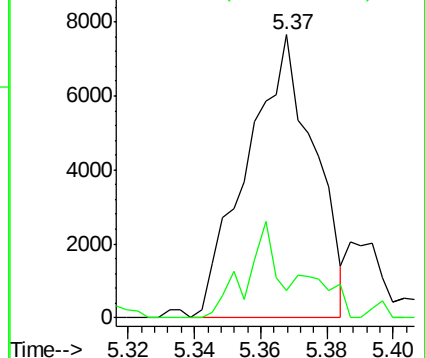
43 100

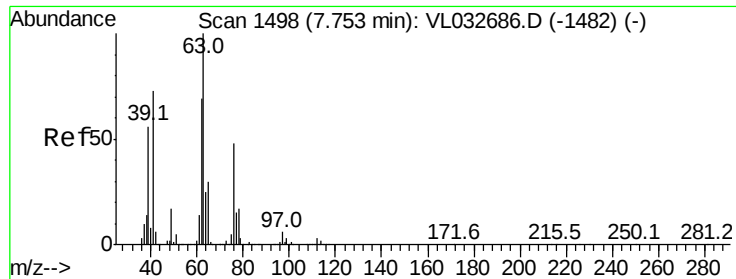
72 25.6 18.6 27.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#39

1,2-Dichloropropane

Concen: 8.178 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.46 min

Lab File: VL032726.D

Acq: 7 Nov 2018 20:58

Instrument :

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ClientSampleId :

AA-01DL

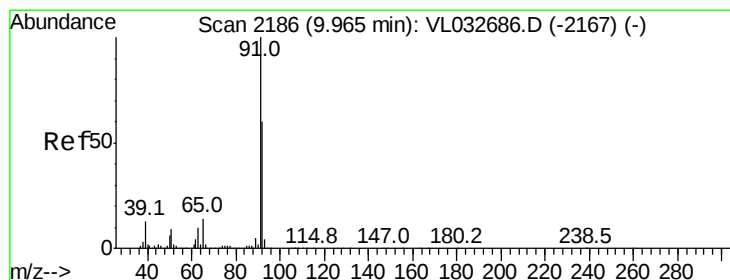
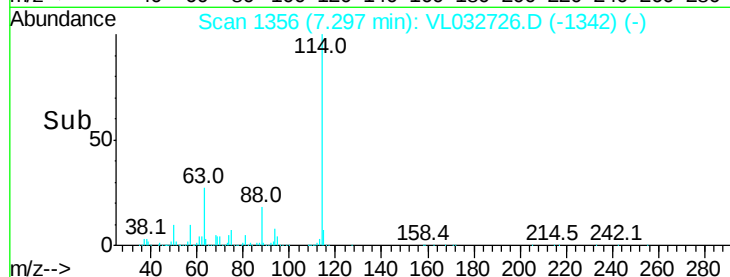
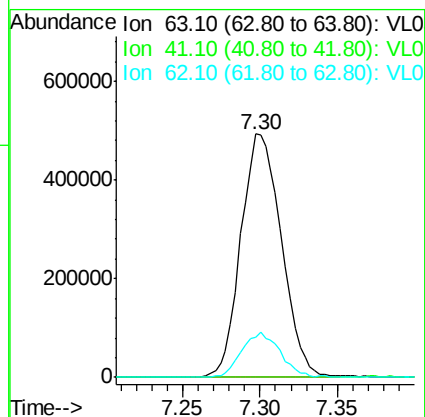
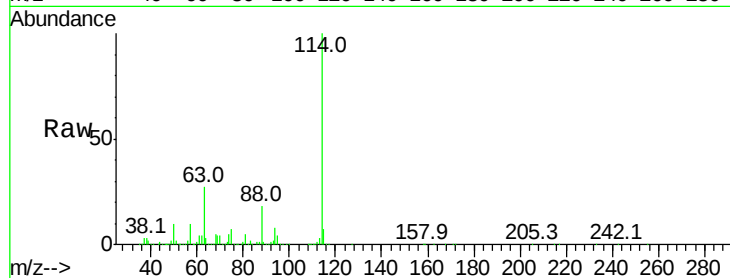
Tgt Ion: 63 Resp: 897119

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

62 16.4 54.4 81.6#



#53

Toluene

Concen: 0.549 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL032726.D

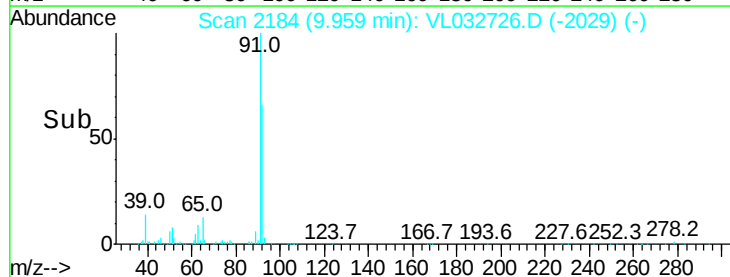
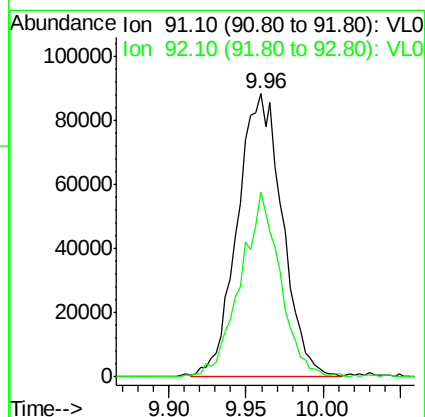
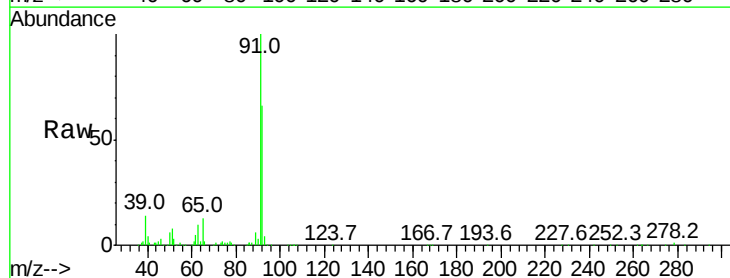
Acq: 7 Nov 2018 20:58

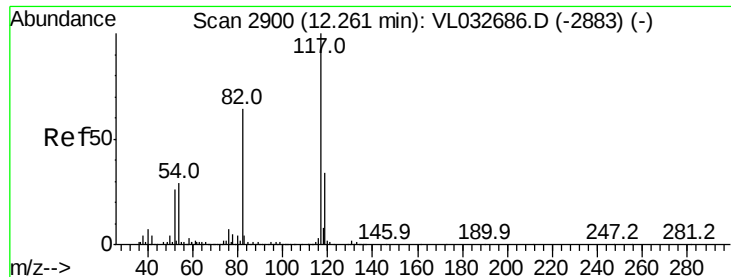
Tgt Ion: 91 Resp: 178808

Ion Ratio Lower Upper

91 100

92 58.3 48.4 72.6

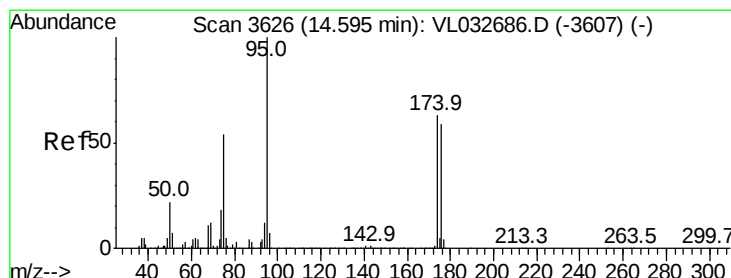
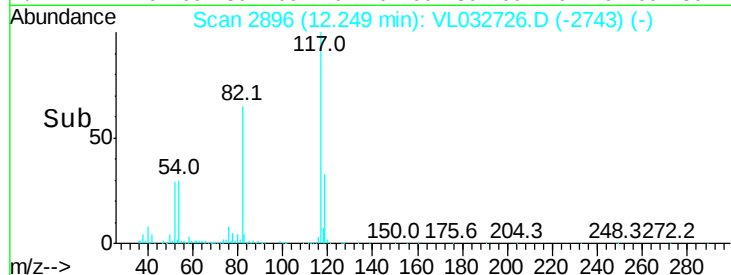
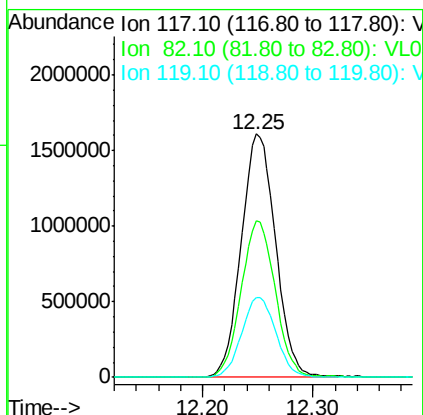
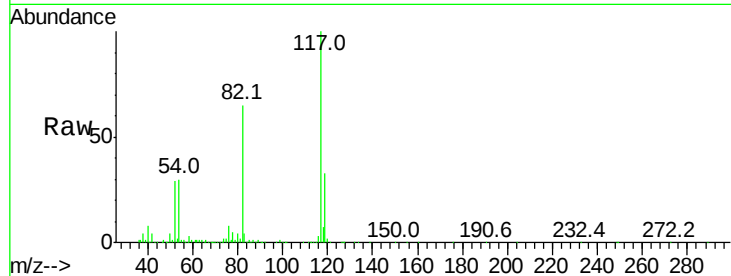




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL032726.D
Acq: 7 Nov 2018 20:58

Instrument :
MSVOA_L
ClientSampleId :
AA-01DL

Tgt Ion: 117 Resp: 3470848
Ion Ratio Lower Upper
117 100
82 64.3 52.7 79.1
119 33.2 26.7 40.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.046 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL032726.D
Acq: 7 Nov 2018 20:58

Tgt Ion: 95 Resp: 2596239
Ion Ratio Lower Upper
95 100
174 64.0 46.0 69.0
175 4.6 3.4 5.0

