

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
 Data File : VL026228.D
 Acq On : 21 Oct 2015 5:37
 Operator : SY/MD
 Sample : G4112-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR-239DL

Manual Integrations
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Quant Time: Oct 21 06:39:04 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 21 2015
 QLast Update : Wed Oct 21 01:20:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	511525	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.29	114	1497102	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.71	117	1770875	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.25	95	1405786	10.29	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.56	51	41223m	0.64	ppbv	
9) Propene	3.60	41	5784	0.19	ppbv #	77
13) Ethanol	4.34	45	17820	3.92	ppbv	95
15) Acetone	4.60	43	63506	0.84	ppbv #	79
19) Isopropyl Alcohol	4.79	45	6447	0.22	ppbv #	27
20) Methylene Chloride	5.14	84	12736	0.42	ppbv	94
38) Trichloroethene	9.04	130	7648	0.10	ppbv	96
52) Tetrachloroethene	12.76	164	925756	10.59	ppbv	98
53) Toluene	11.21	91	31025	0.15	ppbv	99

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

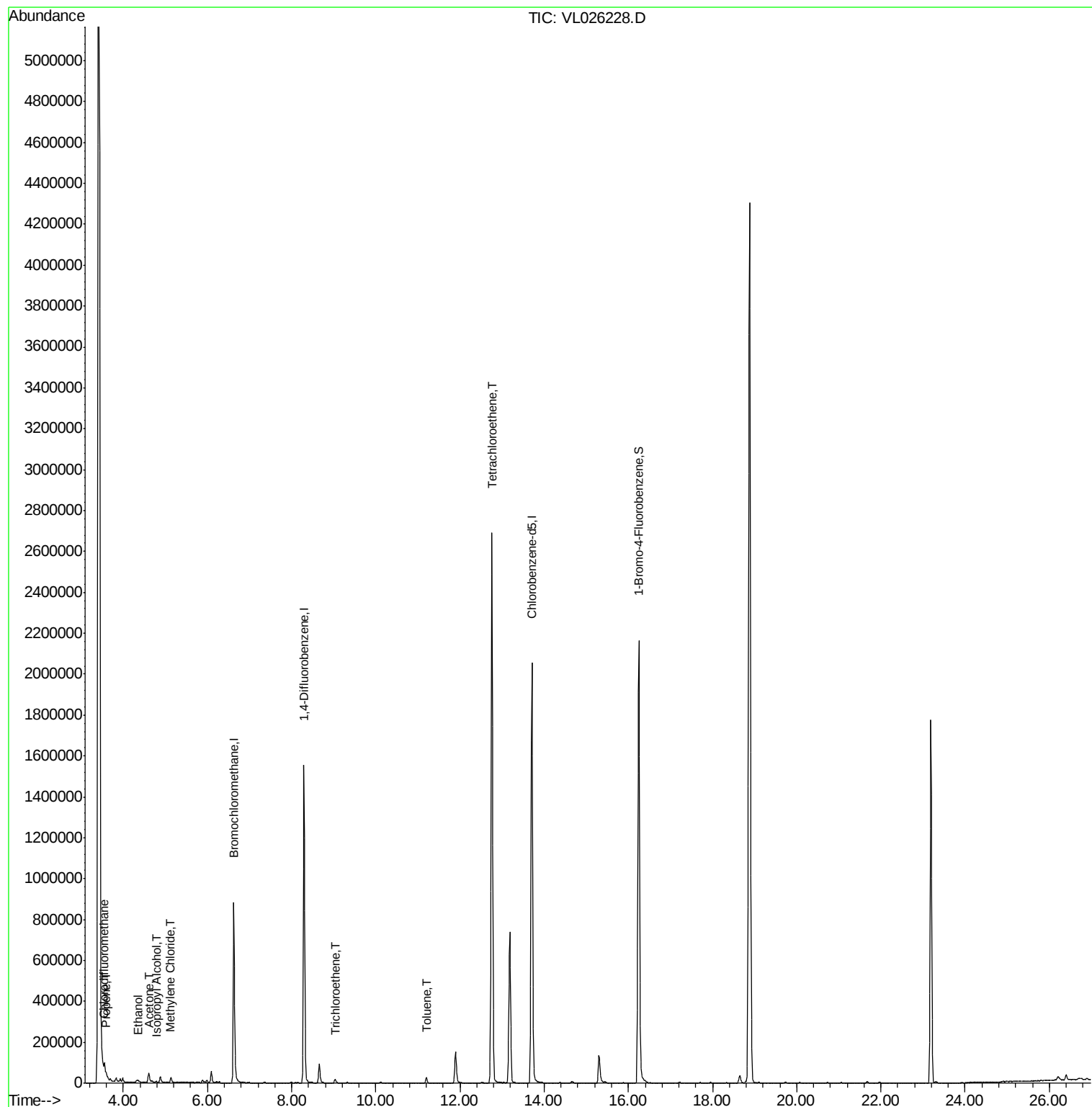
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
Data File : VL026228.D
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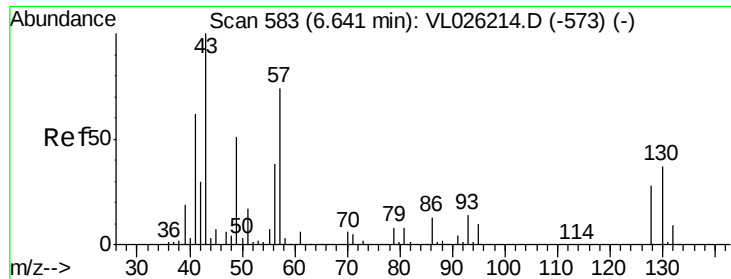
Instrument :
MSVOA_L
ClientSampleId :
INDOOR-239DL

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Quant Time: Oct 21 06:39:04 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VL026228.D

Acq: 21 Oct 2015 5:37

Instrument :

MSVOA_L

ClientSampleId :

INDOOR-239DL

Tot Ion: 49 Resp: 511525

Ion Ratio Lower Upper

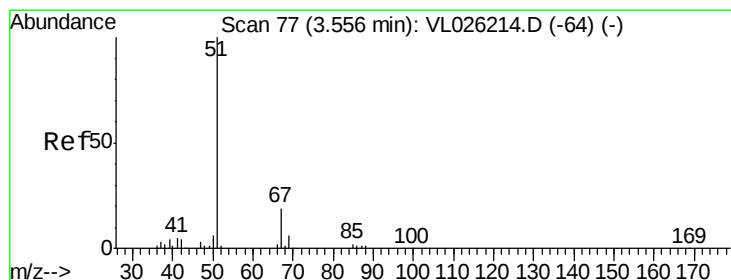
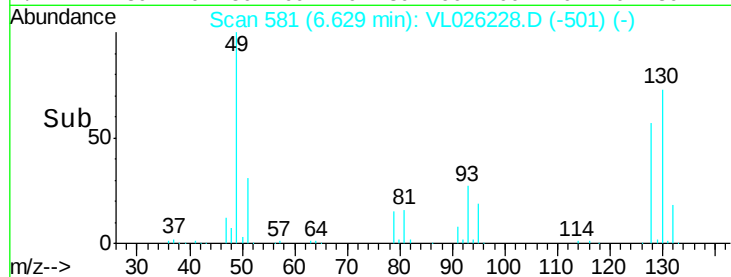
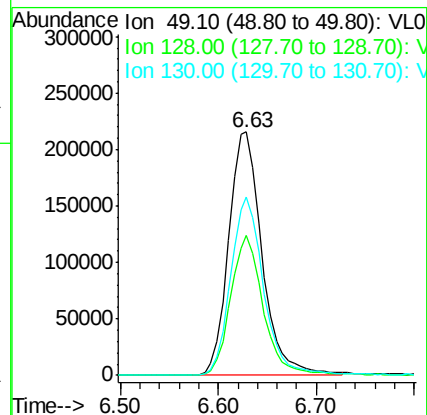
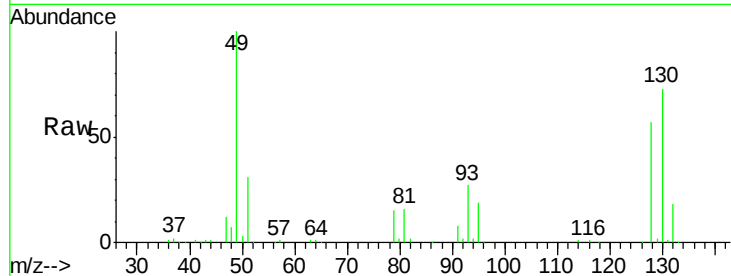
49 100

128 56.8 28.2 84.7

130 73.8 36.0 108.1

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#3

Chlorodifluoromethane

Concen: 0.64 ppbv m

RT: 3.56 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL026228.D

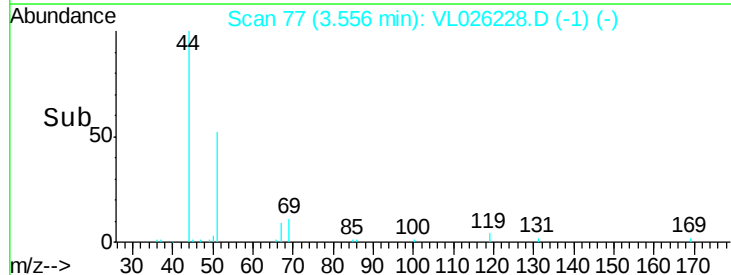
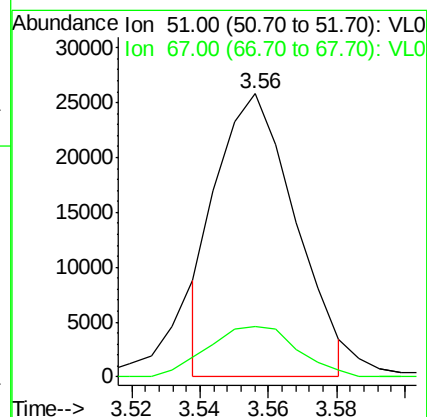
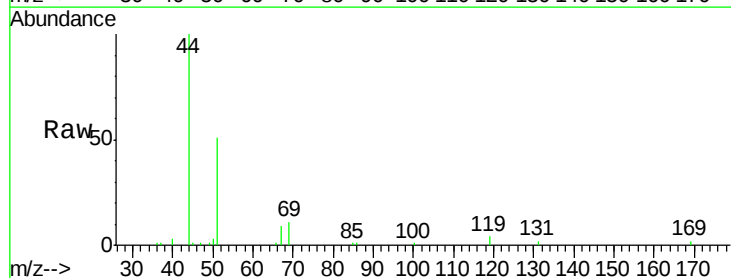
Acq: 21 Oct 2015 5:37

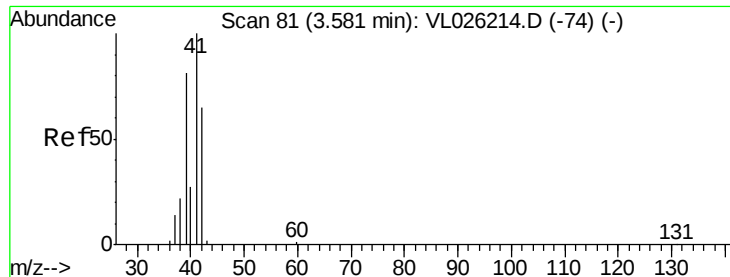
Tgt Ion: 51 Resp: 41223

Ion Ratio Lower Upper

51 100

67 20.5 15.3 22.9





#9

Propene

Concen: 0.19 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL026228.D

Acq: 21 Oct 2015 5:37

Instrument :

MSVOA_L

ClientSampleId :

INDOOR-239DL

Tot Ion: 41 Resp: 5784

Ion Ratio Lower Upper

41 100

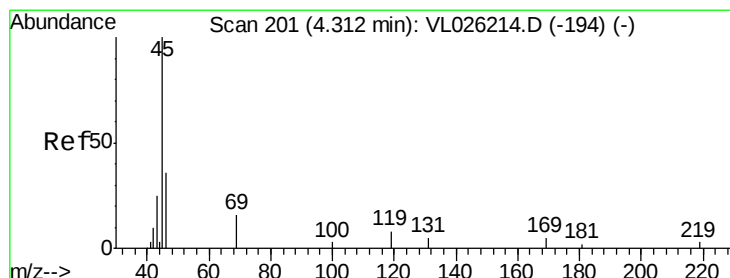
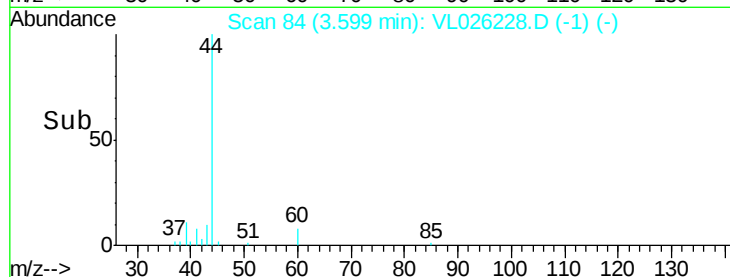
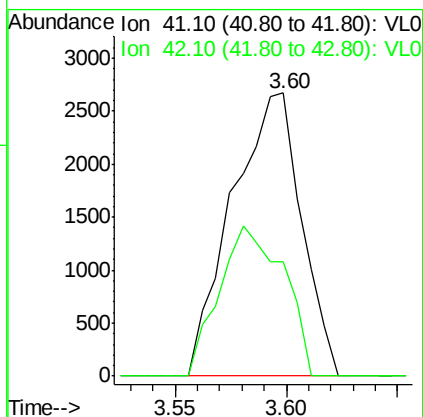
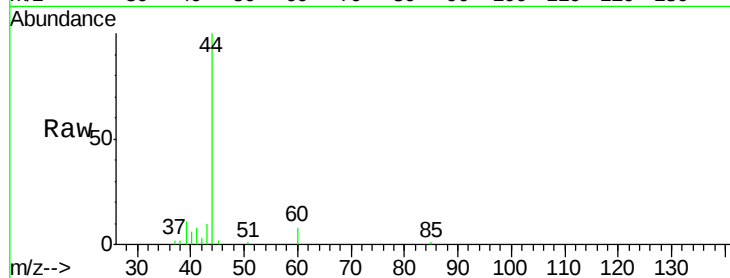
42 49.2 53.8 80.8#

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#13

Ethanol

Concen: 3.92 ppbv

RT: 4.34 min Scan# 206

Delta R.T. 0.03 min

Lab File: VL026228.D

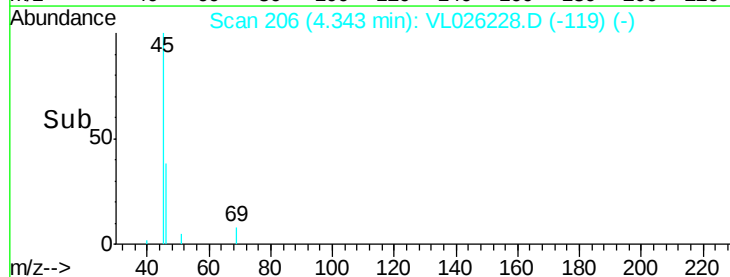
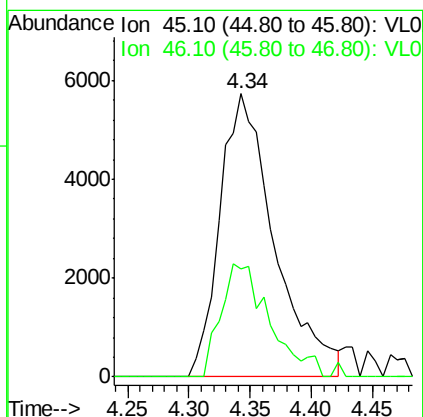
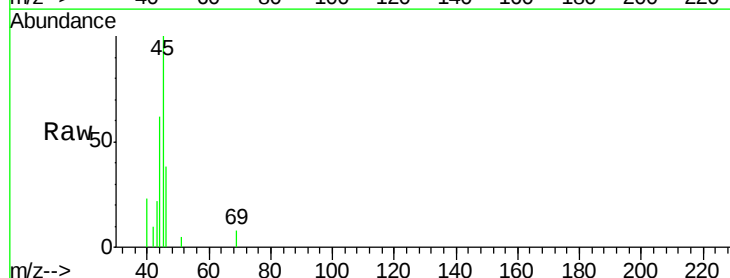
Acq: 21 Oct 2015 5:37

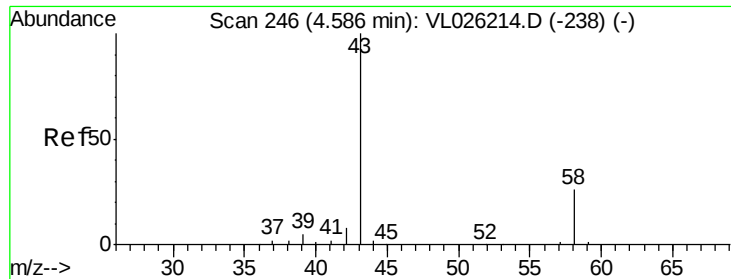
Tgt Ion: 45 Resp: 17820

Ion Ratio Lower Upper

45 100

46 36.3 15.8 63.0





#15

Acetone

Concen: 0.84 ppbv

RT: 4.60 min Scan# 249

Delta R.T. 0.02 min

Lab File: VL026228.D

Acq: 21 Oct 2015 5:37

Instrument :

MSVOA_L

ClientSampleId :

INDOOR-239DL

Tot Ion: 43 Resp: 63506

Ion Ratio Lower Upper

43 100

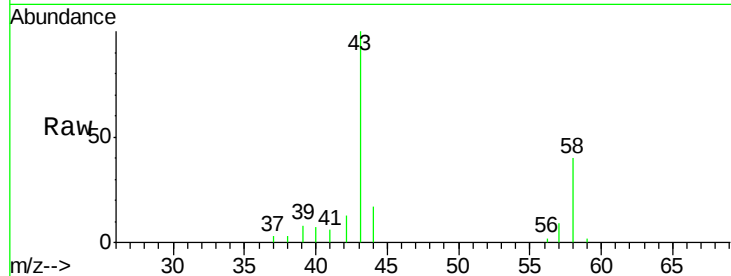
58 38.1 21.8 32.6#

Manual Integrations

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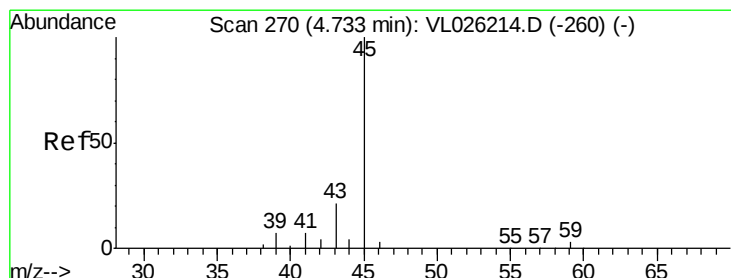
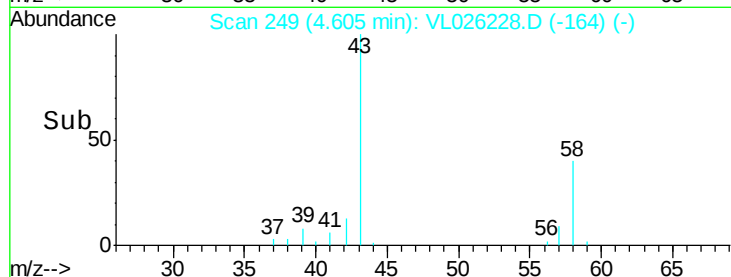
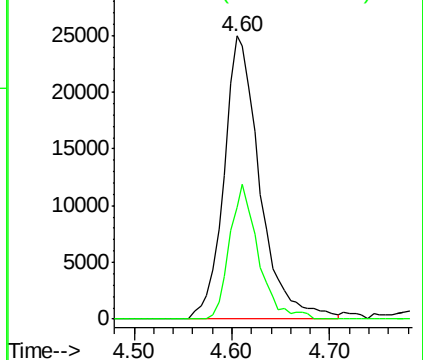
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.22 ppbv

RT: 4.79 min Scan# 279

Delta R.T. 0.05 min

Lab File: VL026228.D

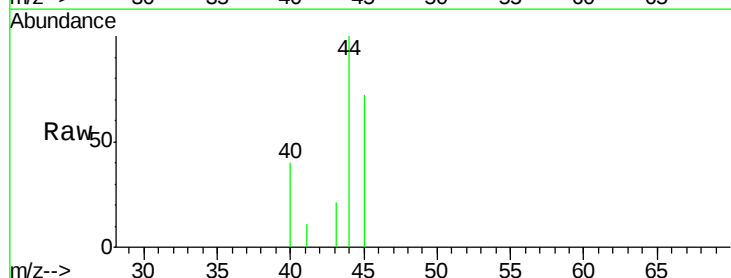
Acq: 21 Oct 2015 5:37

Tgt Ion: 45 Resp: 6447

Ion Ratio Lower Upper

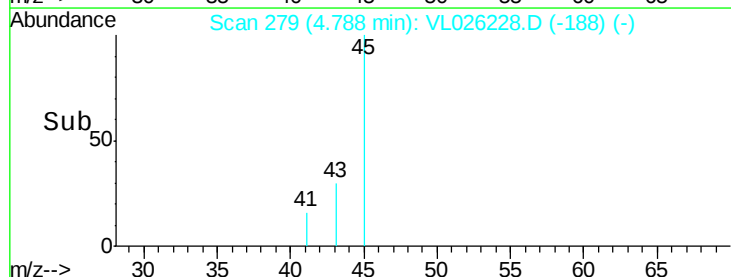
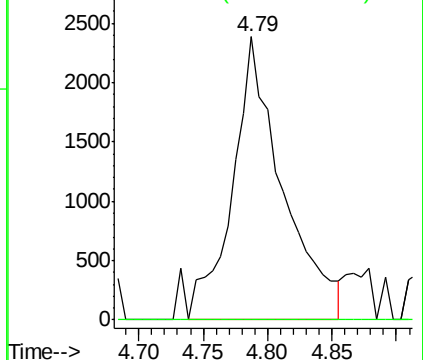
45 100

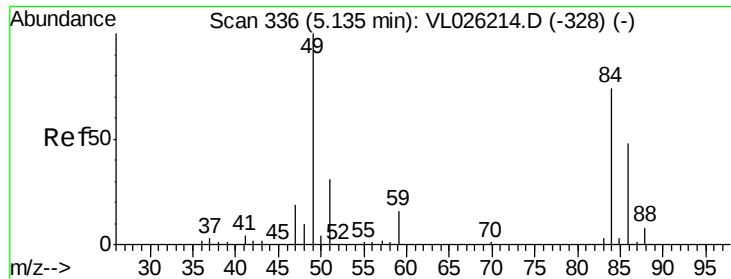
58 0.0 40.3 60.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





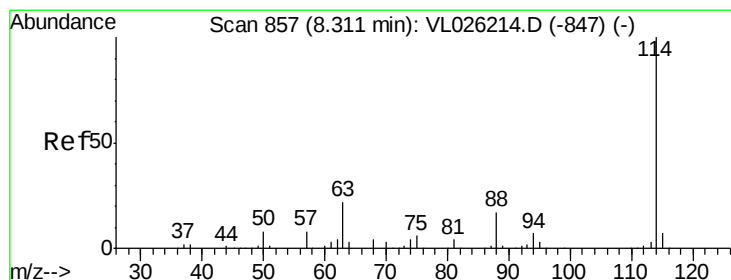
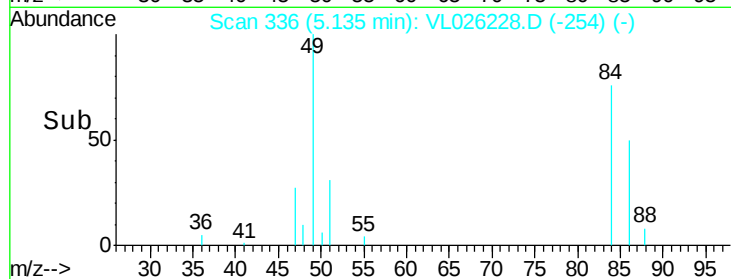
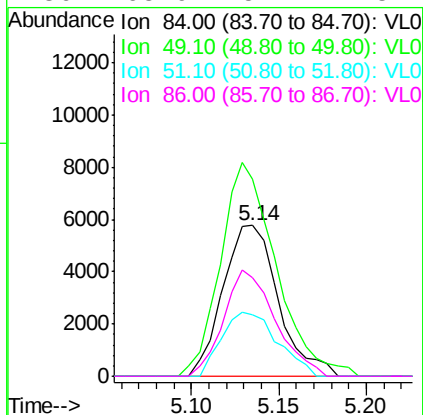
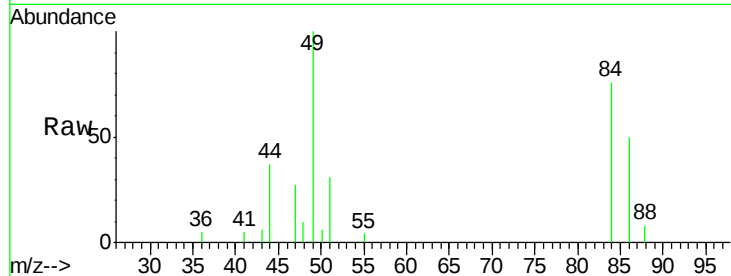
#20
Methvlene Chloride
Concen: 0.42 ppbv
RT: 5.14 min Scan# 336
Delta R.T. -0.00 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-239DL

Tot Ion	Ratio	Lower	Upper
84	100		
49	124.4	108.7	163.1
51	40.6	33.7	50.5
86	65.9	52.2	78.2

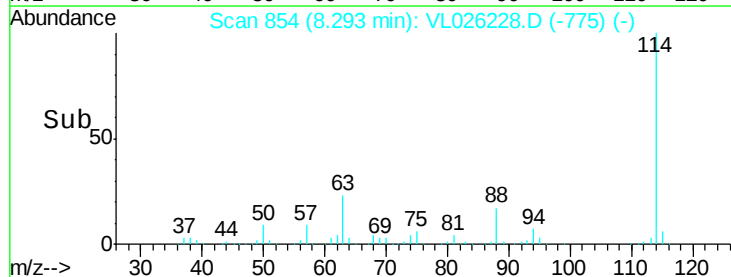
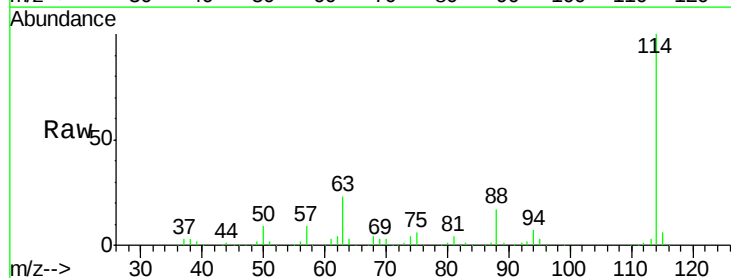
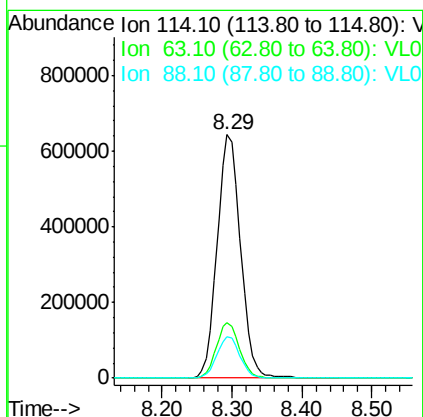
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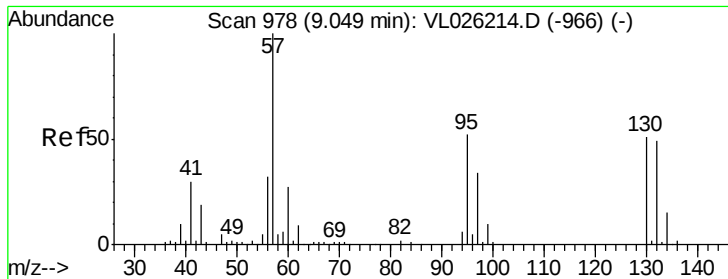
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#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.29 min Scan# 854
Delta R.T. -0.02 min
Lab File: VL026228.D
Acq: 21 Oct 2015 5:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	18.2	27.4
88	16.9	13.5	20.3





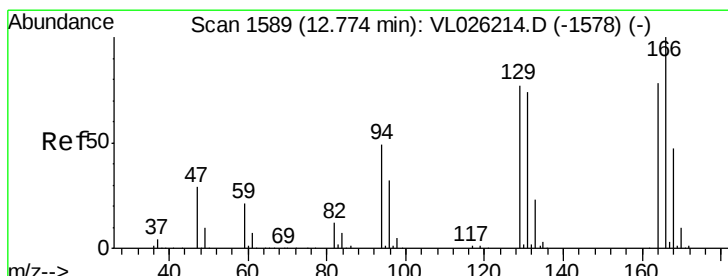
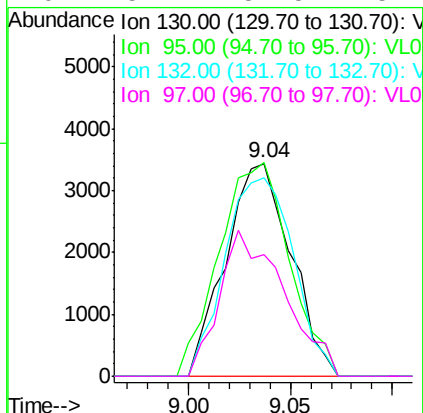
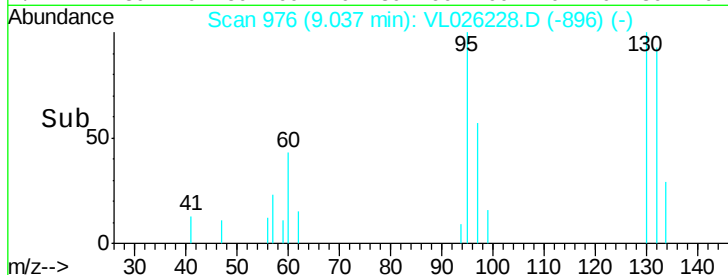
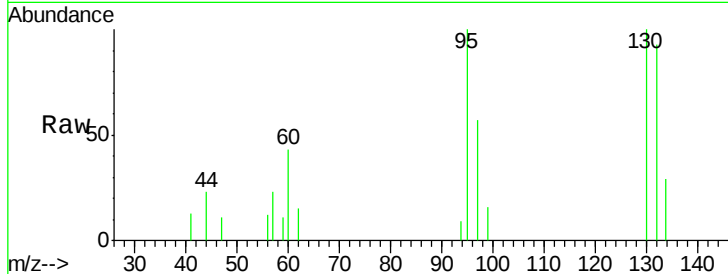
#38
 Trichloroethene
 Concen: 0.10 ppbv
 RT: 9.04 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VL026228.D
 Acq: 21 Oct 2015 5:37

Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR-239DL

Tot Ion:	130	Resp:	7648
Ion Ratio	Lower	Upper	
130	100		
95	100.3	81.0	121.4
132	93.2	76.5	114.7
97	57.2	52.5	78.7

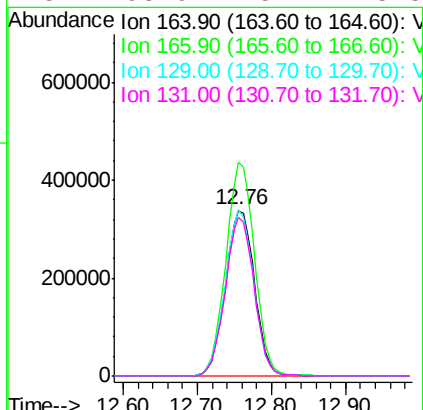
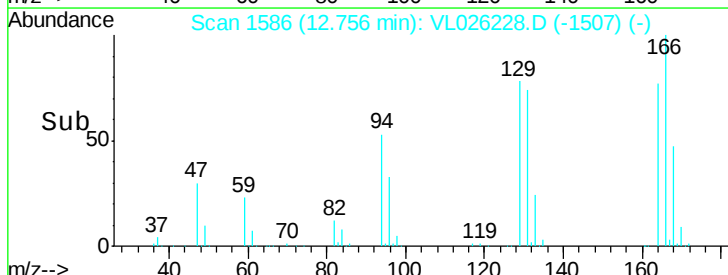
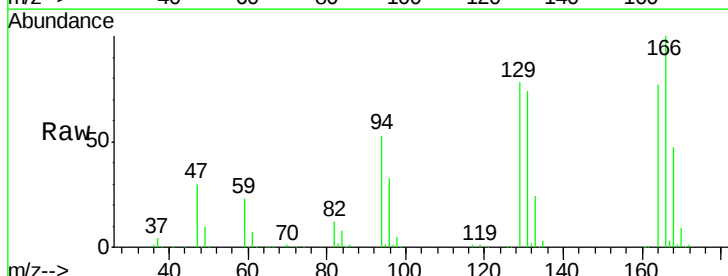
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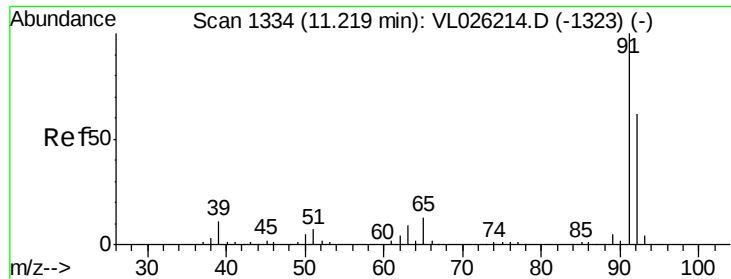
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#52
 Tetrachloroethene
 Concen: 10.59 ppbv
 RT: 12.76 min Scan# 1586
 Delta R.T. -0.02 min
 Lab File: VL026228.D
 Acq: 21 Oct 2015 5:37

Tgt Ion:	164	Resp:	925756
Ion Ratio	Lower	Upper	
164	100		
166	129.3	102.3	153.5
129	101.0	78.2	117.4
131	95.9	75.7	113.5





#53

Toluene

Concen: 0.15 ppbv

RT: 11.21 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VL026228.D

Acq: 21 Oct 2015 5:37

Instrument :

MSVOA_L

ClientSampleId :

INDOOR-239DL

Tot Ion: 91 Resp: 31025

Ion Ratio Lower Upper

91 100

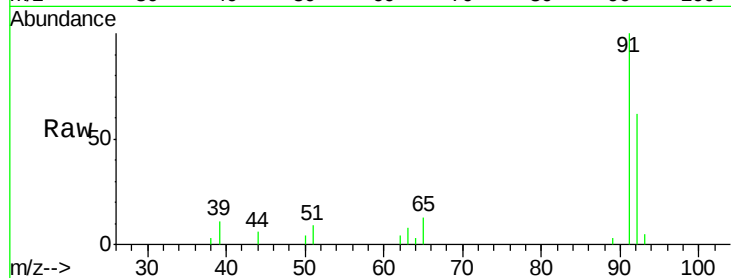
92 62.5 49.2 73.8

Manual Integrations

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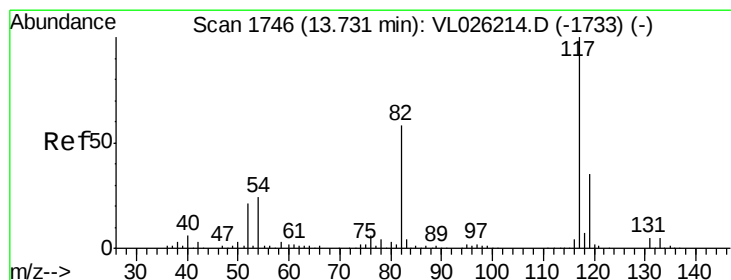
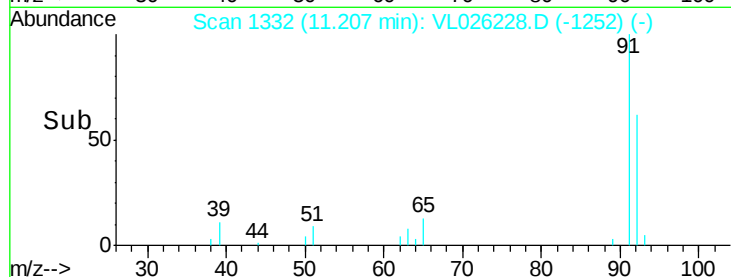
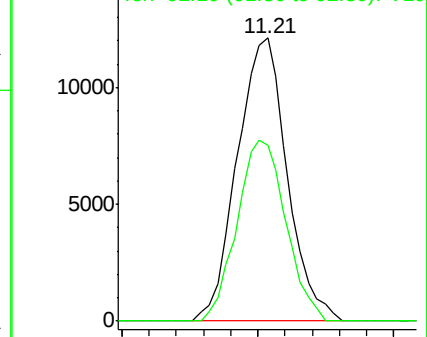
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.71 min Scan# 1742

Delta R.T. -0.02 min

Lab File: VL026228.D

Acq: 21 Oct 2015 5:37

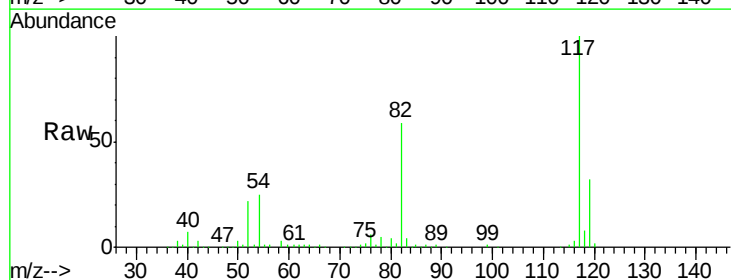
Tgt Ion: 117 Resp: 1770875

Ion Ratio Lower Upper

117 100

82 60.2 45.8 68.8

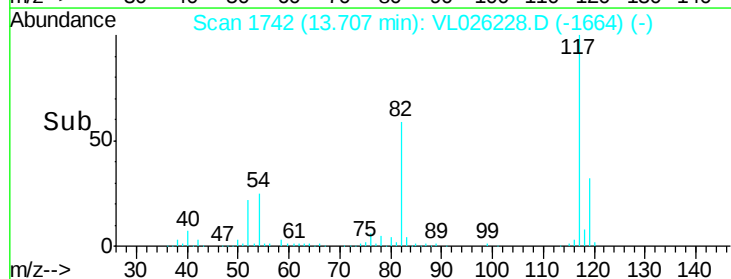
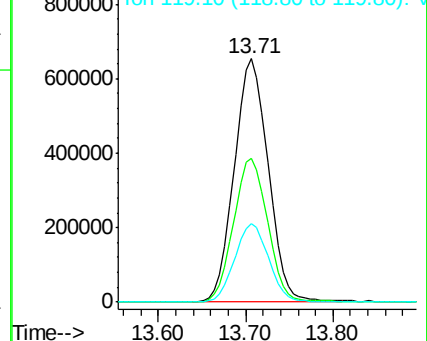
119 32.6 45.0 67.4#

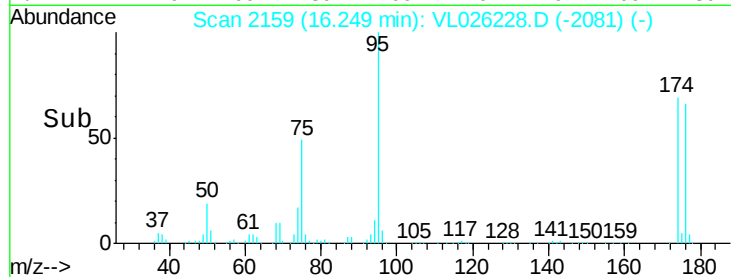
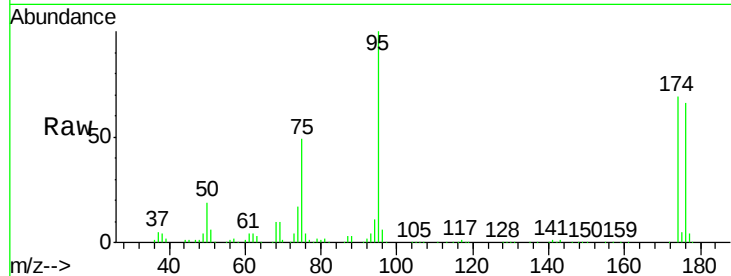
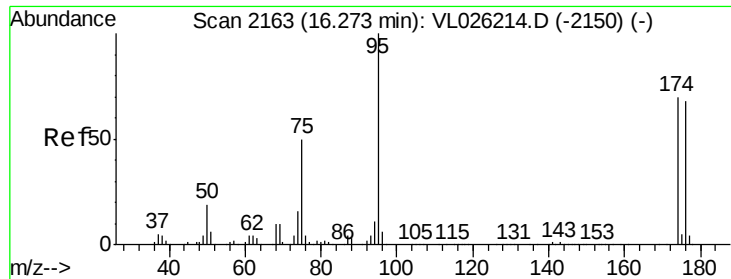


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.29 ppbv

RT: 16.25 min Scan# 2159

Delta R.T. -0.02 min

Lab File: VL026228.D

Acq: 21 Oct 2015 5:37

Tot Ion: 95 Resp: 1405786

Ion Ratio Lower Upper

95 100

174 69.8 55.8 83.8

175 5.3 4.3 6.5

Instrument :

MSVOA_L

ClientSampleId :

INDOOR-239DL

Manual Integrations

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