

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010419\
 Data File : VL033070.D
 Acq On : 4 Jan 2019 16:28
 Operator : SY/AP
 Sample : VL0104ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABL01

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 12:01:16 AM

Quant Time: Jan 07 11:27:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 0
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1080636	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2691697	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2524205	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1869026	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.41	84	8429m	0.135	ppbv	

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

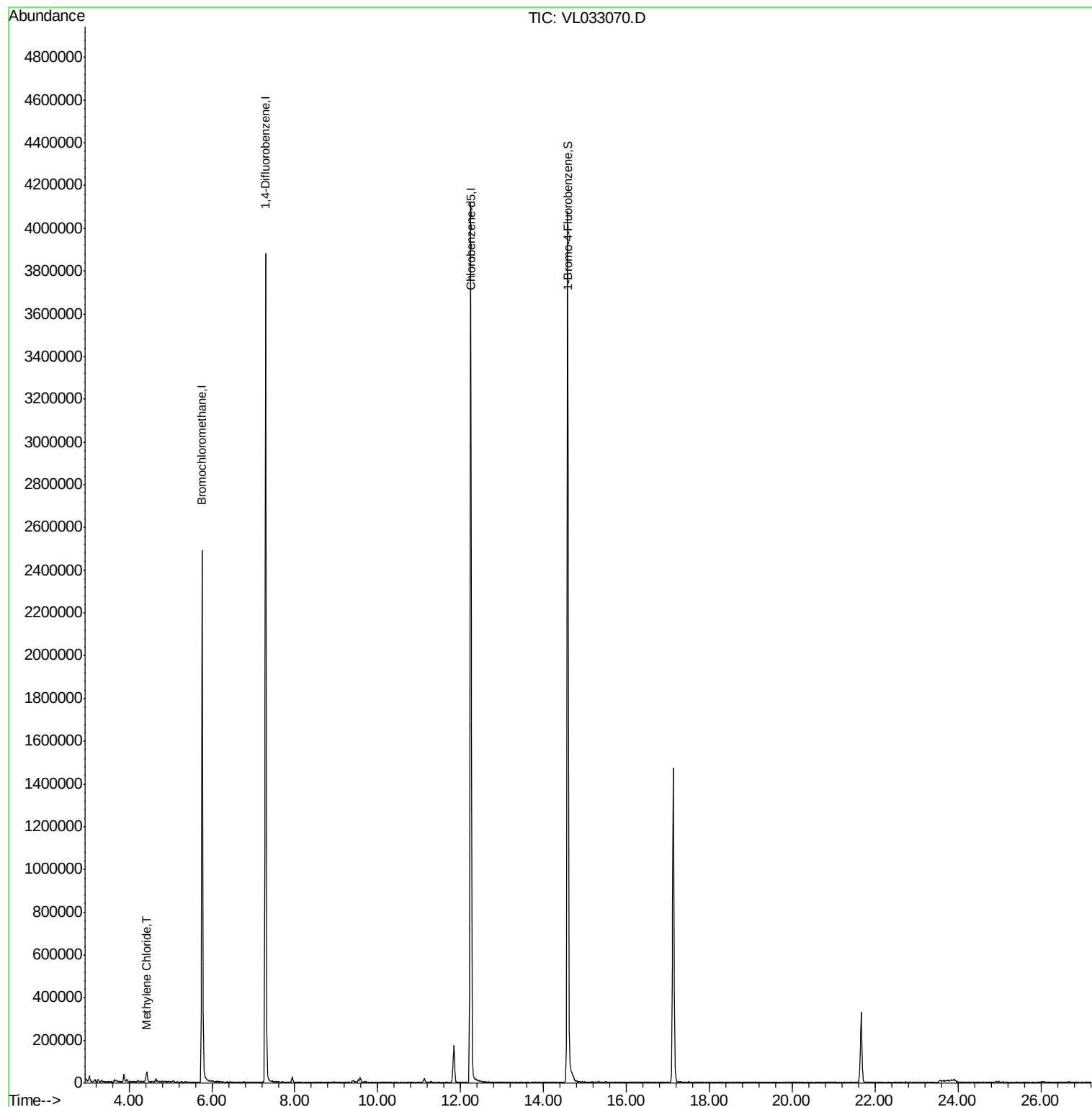
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL010419\
Data File : VL033070.D
Acq On : 4 Jan 2019 16:28
Operator : SY/AP
Sample : VL0104ABL01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

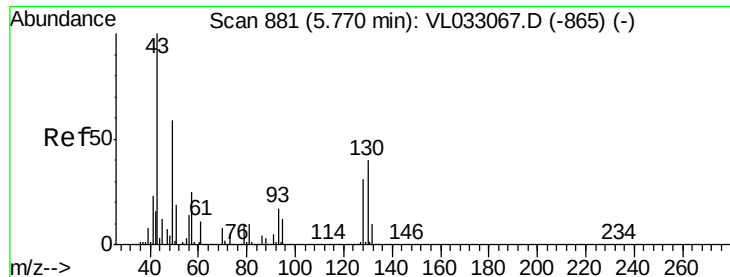
Instrument :
MSVOA_L
ClientSampleId :
VL0104ABL01

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Quant Time: Jan 07 11:27:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033070.D

Acq: 4 Jan 2019 16:28

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABL01

Tot Ion: 49 Resp: 1080636

Ion Ratio Lower Upper

49 100

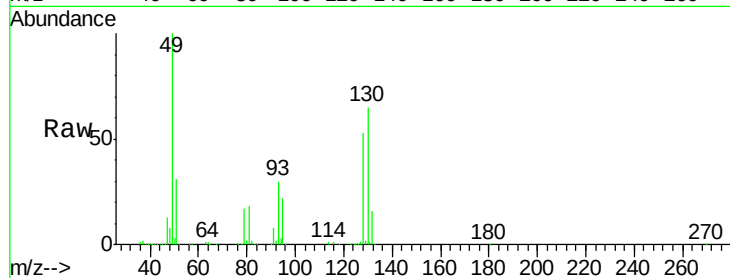
128 53.4 26.2 78.5

130 68.1 33.6 100.6

Manual Integrations
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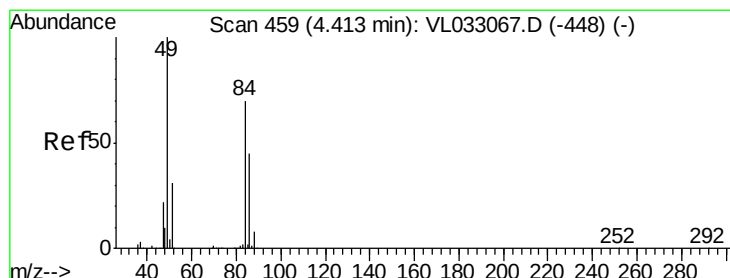
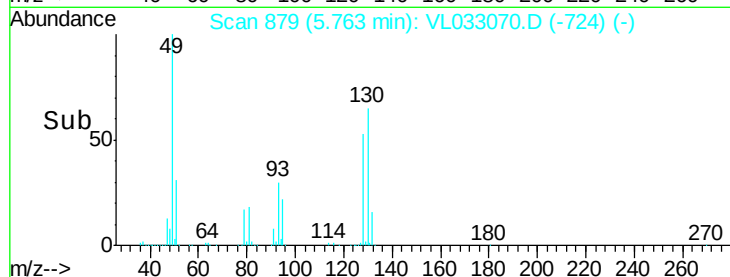
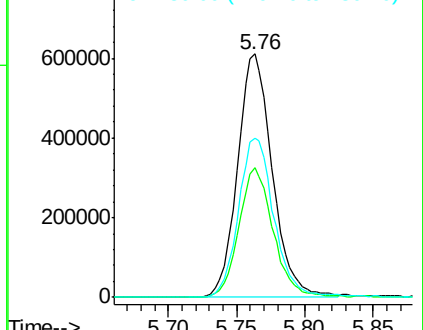
1/8/2019 12:01:16 AM



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



#20

Methylene Chloride

Concen: 0.135 ppbv m

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033070.D

Acq: 4 Jan 2019 16:28

Tgt Ion: 84 Resp: 8429

Ion Ratio Lower Upper

84 100

49 115.6 115.8 173.6#

51 73.8 35.7 53.5#

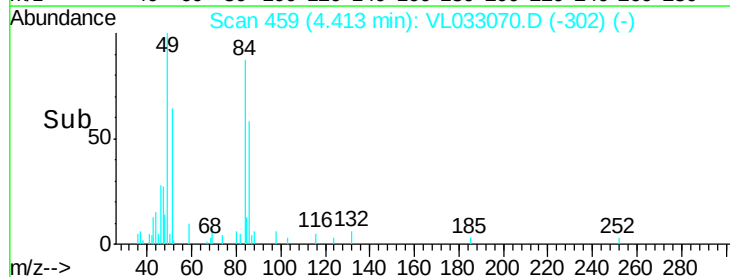
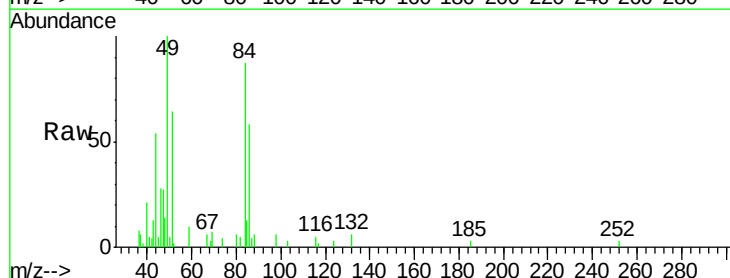
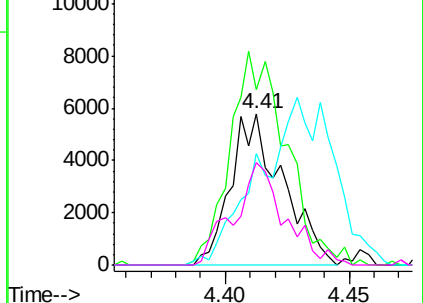
86 67.4 49.7 74.5

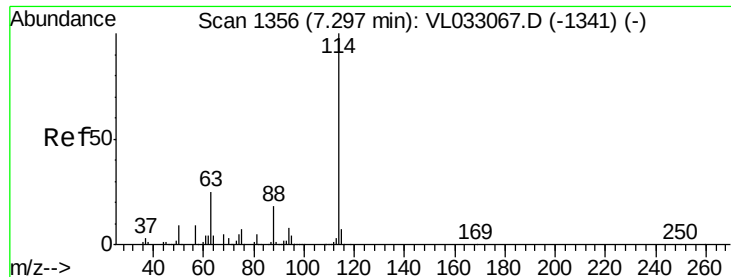
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.00 min

Lab File: VL033070.D

Acq: 4 Jan 2019 16:28

Instrument :

MSVOA_L

ClientSampleId :

VL0104ABL01

Tot Ion:114 Resp: 2691697

Ion Ratio Lower Upper

114 100

63 25.2 20.1 30.1

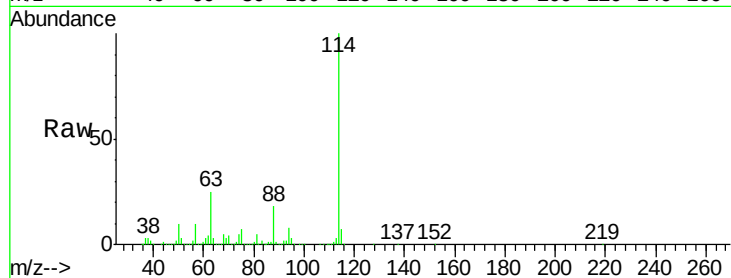
88 17.7 14.0 21.0

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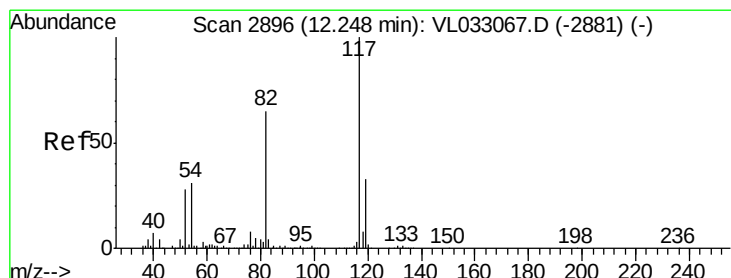
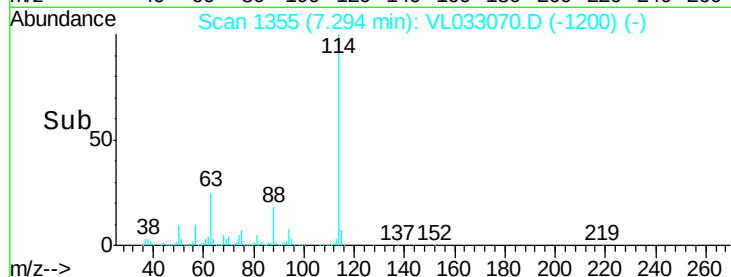
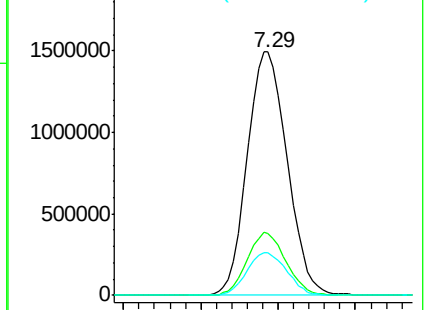
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. -0.01 min

Lab File: VL033070.D

Acq: 4 Jan 2019 16:28

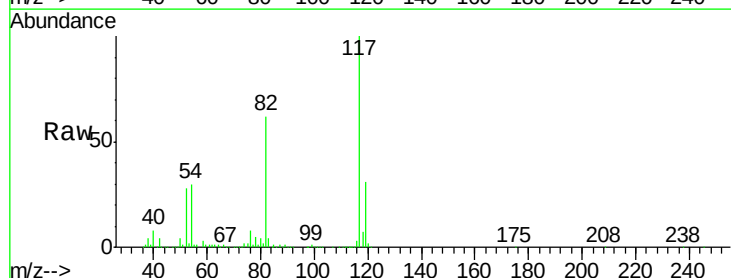
Tgt Ion:117 Resp: 2524205

Ion Ratio Lower Upper

117 100

82 64.3 48.9 73.3

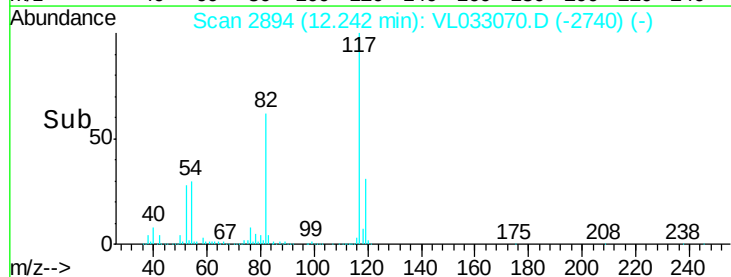
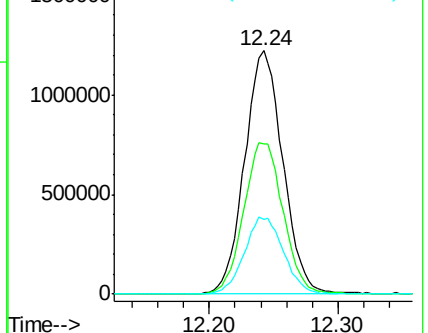
119 32.5 24.6 37.0

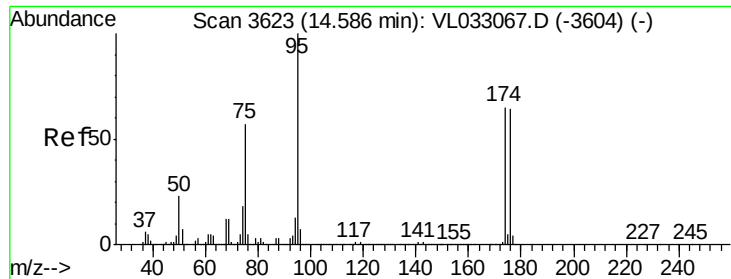


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.659 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VL033070.D
 Acq: 4 Jan 2019 16:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0104ABL01

Tot Ion: 95 Resp: 1869026
 Ion Ratio Lower Upper
 95 100
 174 65.4 51.9 77.9
 175 4.8 3.9 5.9

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