

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081219\
 Data File : VL034109.D
 Acq On : 12 Aug 2019 18:30
 Operator : SY/AP
 Sample : K4296-03 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SRS-0807-VI3

Quant Time: Aug 13 13:51:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 05 17:09:48 2019
 QLast Update : Mon Aug 05 17:09:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1197288	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	2231374	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	2302020	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.52	95	1973578	10.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.70%

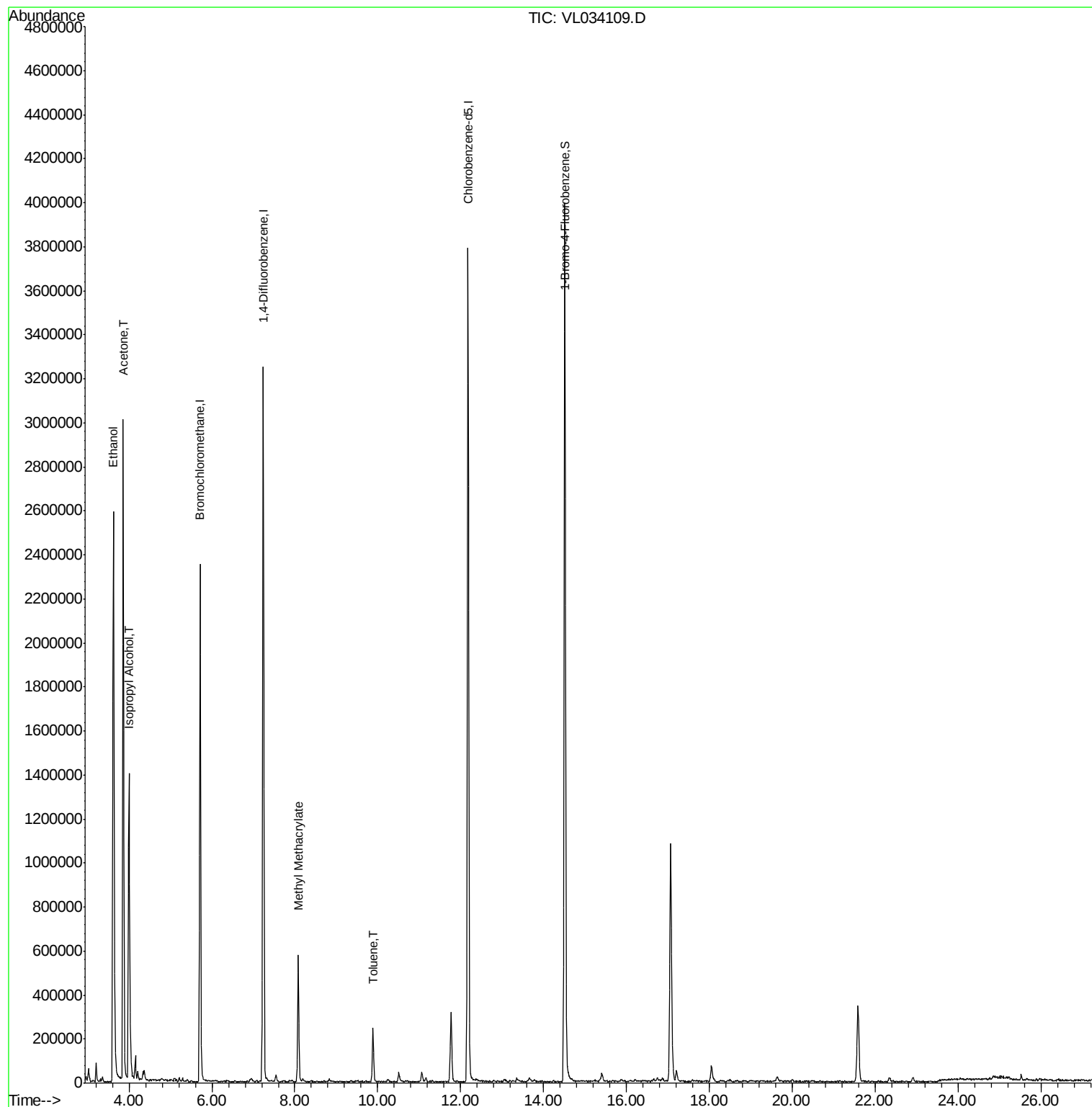
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	3427519	149.004	ppbv	99
15) Acetone	3.86	43	3098838	18.112	ppbv	95
19) Isopropyl Alcohol	4.00	45	1893660m	14.215	ppbv	
43) Methyl Methacrylate	8.08	69	200679	1.929	ppbv	96
53) Toluene	9.89	91	190378	0.650	ppbv	93

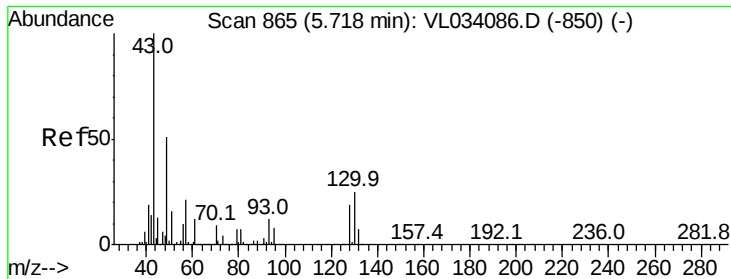
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 864

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

SRS-0807-VI3

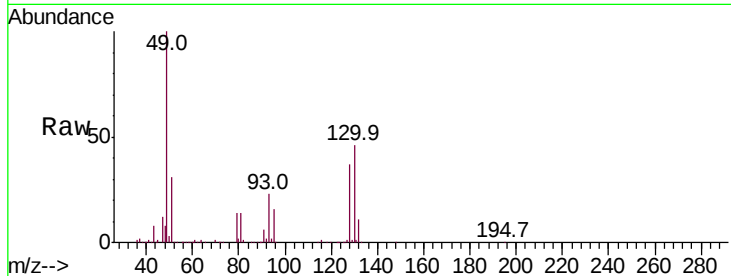
Tot Ion: 49 Resp: 1197288

Ion Ratio Lower Upper

49 100

128 38.2 19.5 58.5

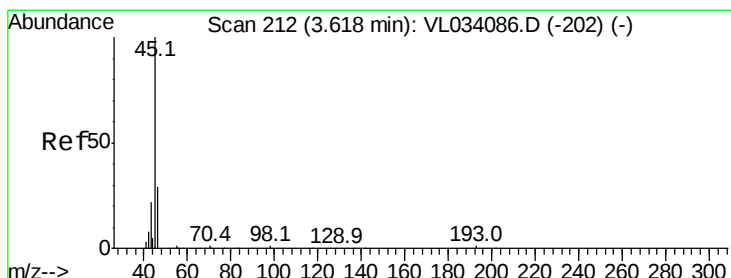
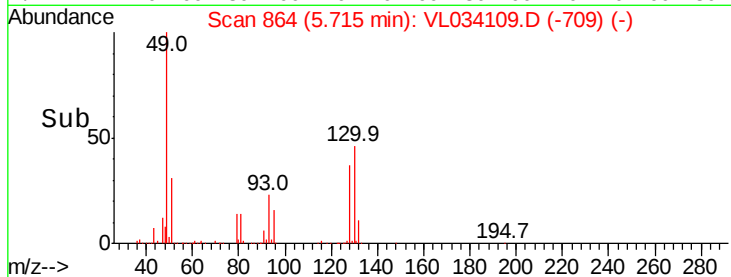
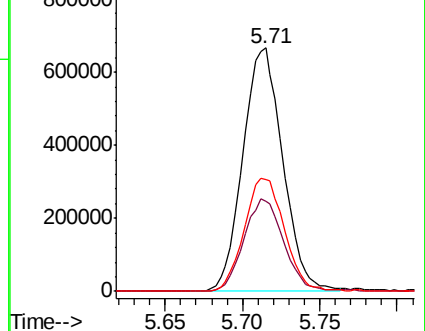
130 47.1 25.4 76.0



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



#13

Ethanol

Concen: 149.004 ppbv

RT: 3.62 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL034109.D

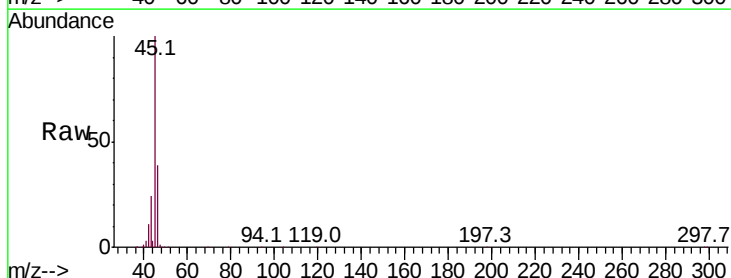
Acq: 12 Aug 2019 18:30

Tgt Ion: 45 Resp: 3427519

Ion Ratio Lower Upper

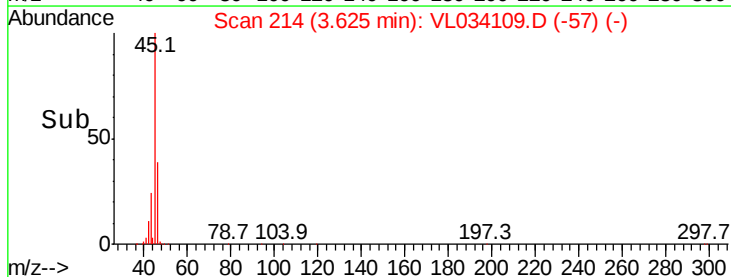
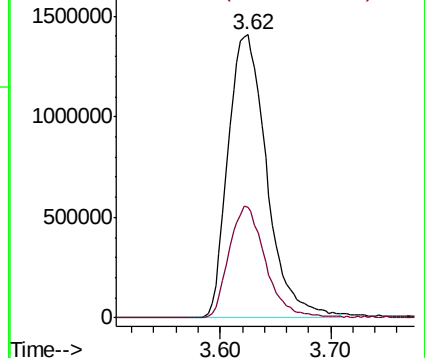
45 100

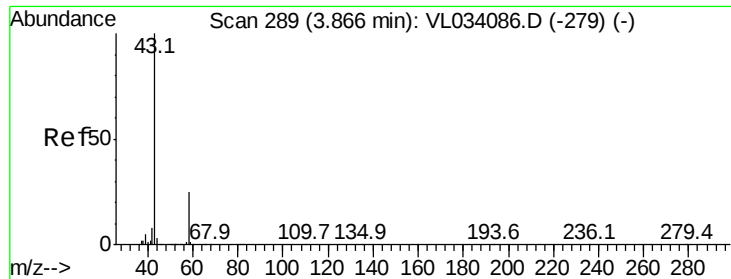
46 37.9 14.9 59.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 18.112 ppbv

RT: 3.86 min Scan# 287

Delta R.T. -0.01 min

Lab File: VL034109.D

Acq: 12 Aug 2019 18:30

Instrument :

MSVOA_L

ClientSampleId :

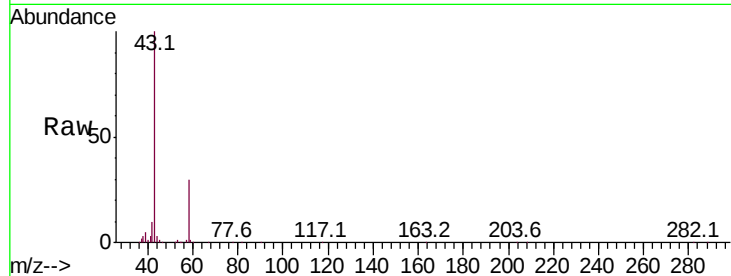
SRS-0807-VI3

Tot Ion: 43 Resp: 3098838

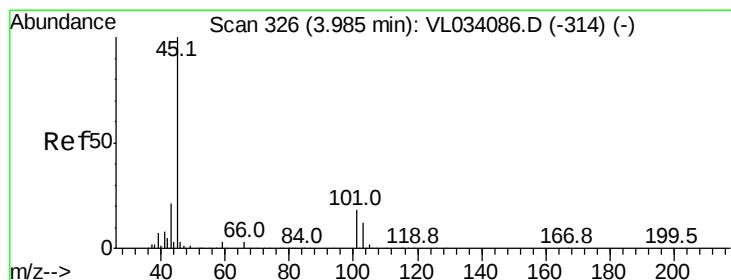
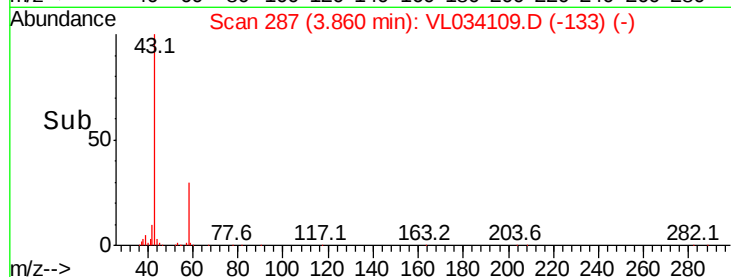
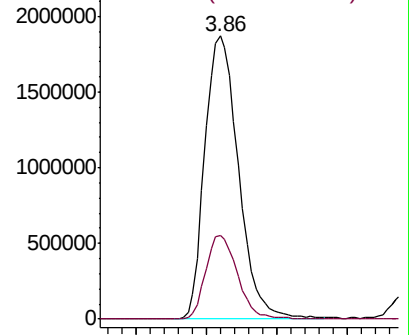
Ion Ratio Lower Upper

43 100

58 28.1 20.6 30.8



Abundance Ion 43.10 (42.80 to 43.80): VL0



#19

Isopropyl Alcohol

Concen: 14.215 ppbv m

RT: 4.00 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL034109.D

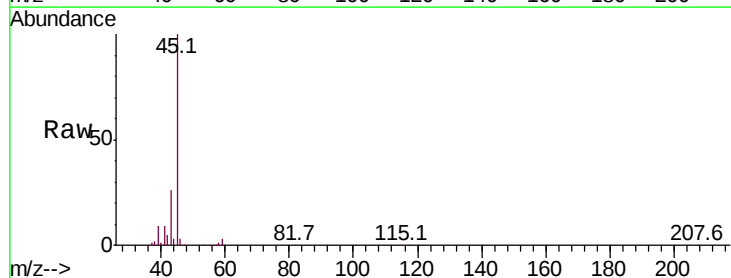
Acq: 12 Aug 2019 18:30

Tgt Ion: 45 Resp: 1893660

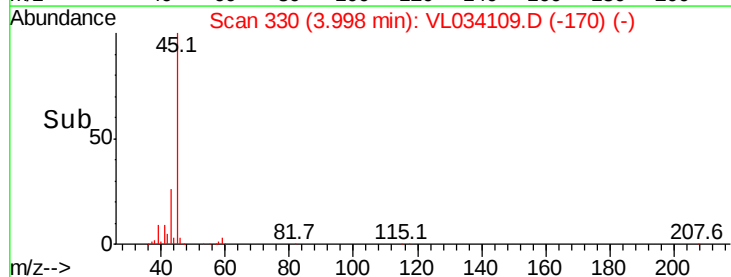
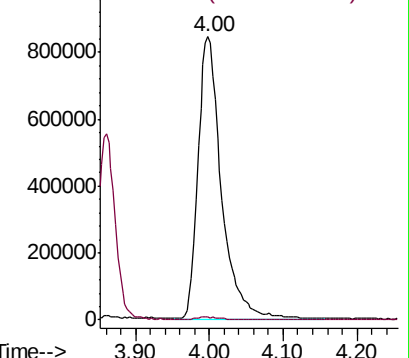
Ion Ratio Lower Upper

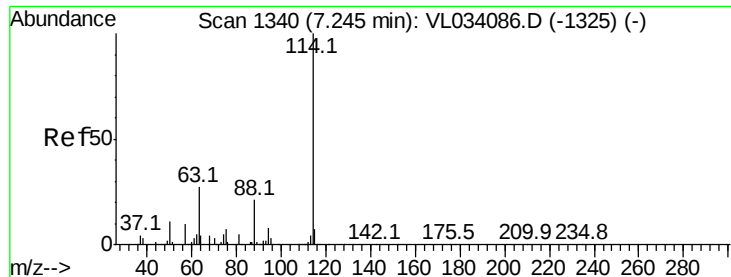
45 100

58 0.0 24.6 37.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.24 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VL034109.D

Acq: 12 Aug 2019 18:30

Instrument :

MSVOA_L

ClientSampleId :

SRS-0807-VI3

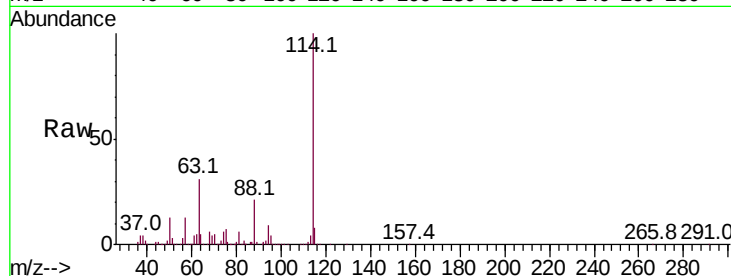
Tot Ion:114 Resp: 2231374

Ion Ratio Lower Upper

114 100

63 30.4 22.5 33.7

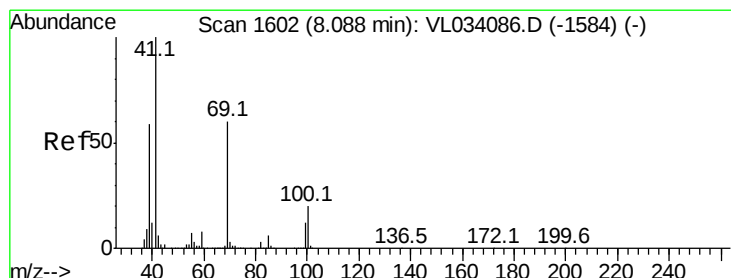
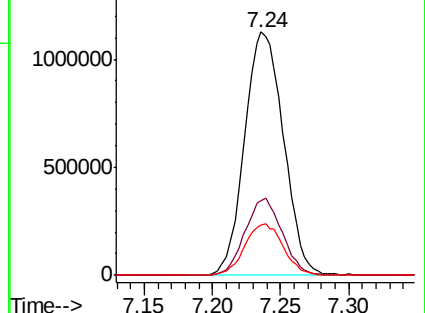
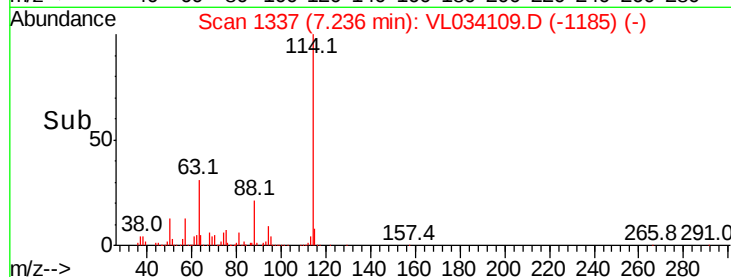
88 20.8 15.7 23.5



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



#43

Methyl Methacrylate

Concen: 1.929 ppbv

RT: 8.08 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VL034109.D

Acq: 12 Aug 2019 18:30

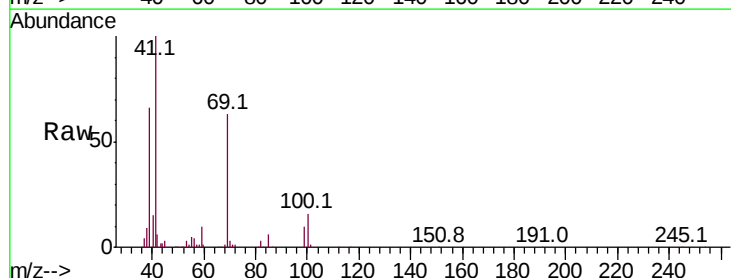
Tgt Ion: 69 Resp: 200679

Ion Ratio Lower Upper

69 100

41 170.7 132.9 199.3

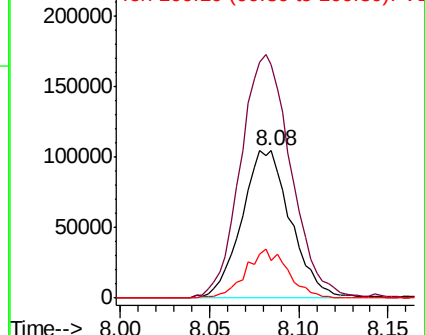
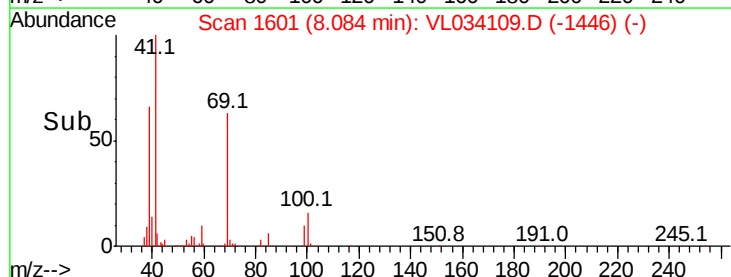
100 28.8 25.8 38.8

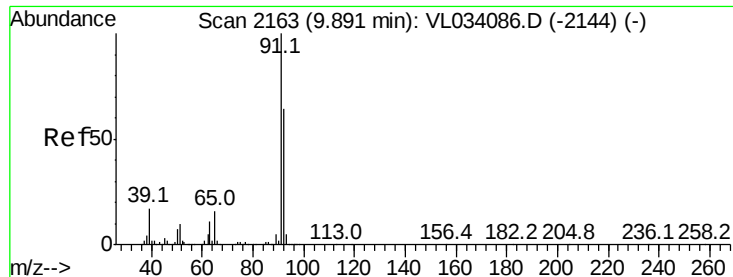


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0





#53

Toluene

Concen: 0.650 ppbv

RT: 9.89 min Scan# 2162

Delta R.T. -0.00 min

Lab File: VL034109.D

Acq: 12 Aug 2019 18:30

Instrument :

MSVOA_L

ClientSampleId :

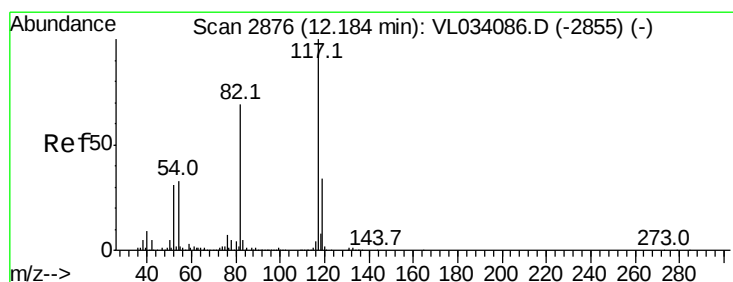
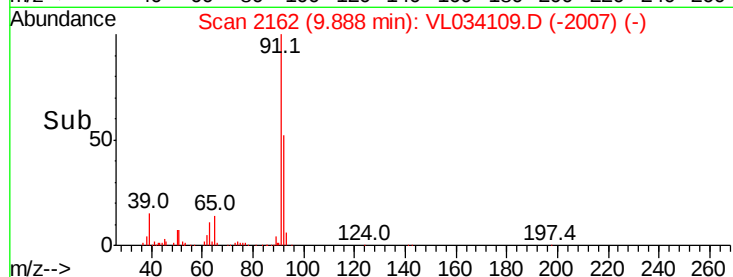
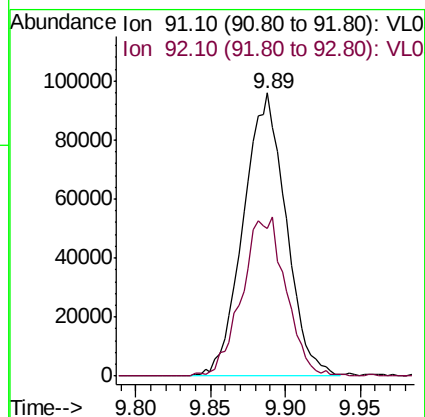
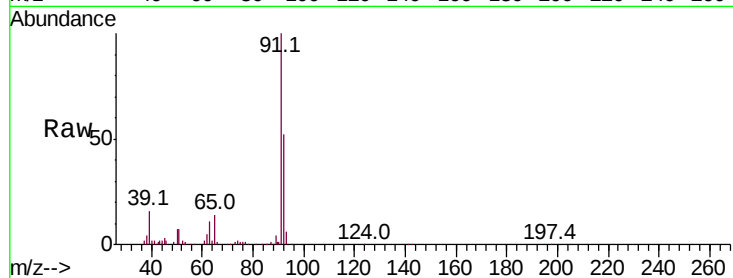
SRS-0807-VI3

Tot Ion: 91 Resp: 190378

Ion Ratio Lower Upper

91 100

92 57.7 50.3 75.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.18 min Scan# 2874

Delta R.T. -0.01 min

Lab File: VL034109.D

Acq: 12 Aug 2019 18:30

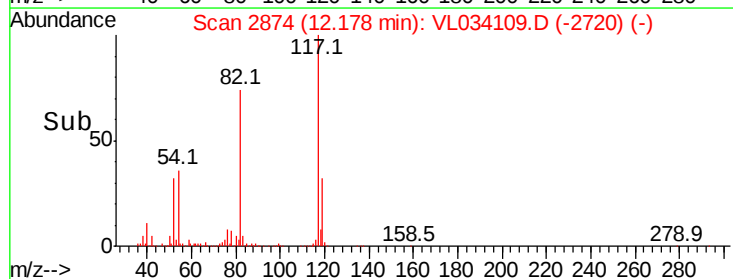
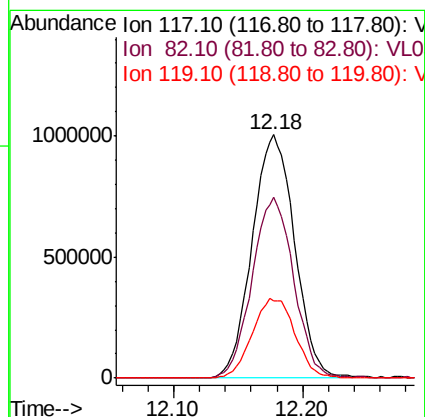
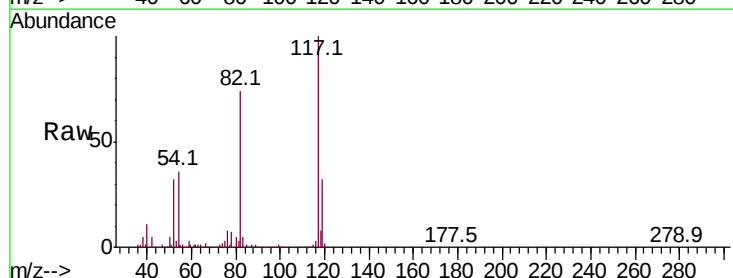
Tgt Ion: 117 Resp: 2302020

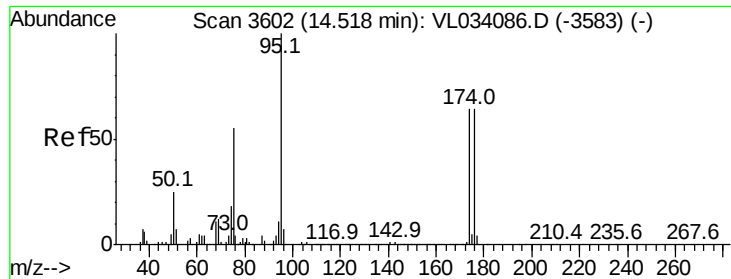
Ion Ratio Lower Upper

117 100

82 73.6 52.2 78.4

119 33.1 44.8 67.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.566 ppbv

RT: 14.52 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VL034109.D

Acq: 12 Aug 2019 18:30

Instrument :

MSVOA_L

ClientSampleId :

SRS-0807-VI3

Tot Ion: 95 Resp: 1973578

Ion Ratio Lower Upper

95 100

174 62.4 53.0 79.6

175 4.5 4.2 6.2

