

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081219\
 Data File : VL034107.D
 Acq On : 12 Aug 2019 17:12
 Operator : SY/AP
 Sample : K4296-01 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SRS-0807-VI1

Quant Time: Aug 13 04:04:54 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	1215418	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	2272145	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	2308359	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1997723	10.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

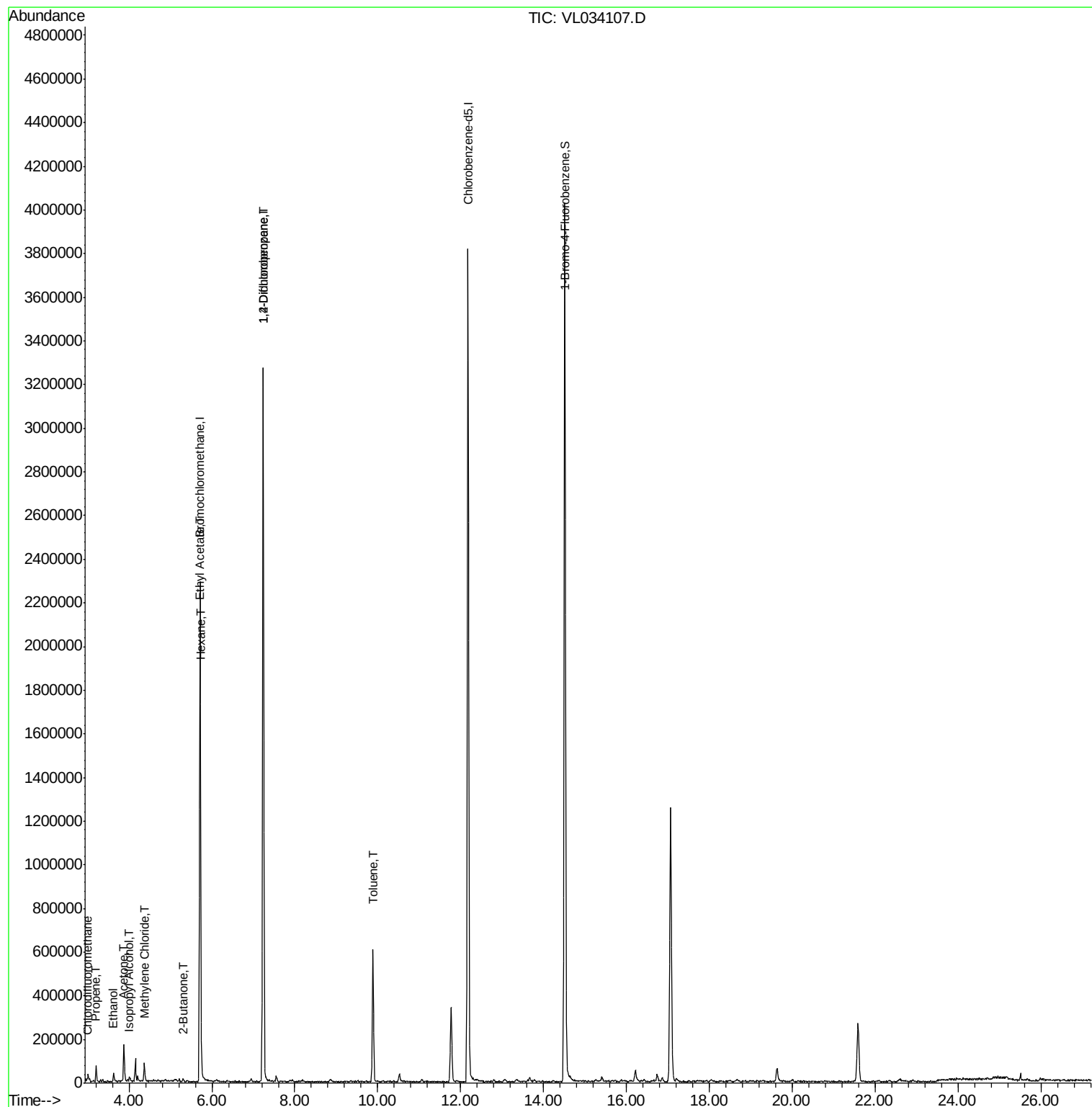
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.99	51	6259	0.045	ppbv #	89
9) Propene	3.21	41	15968	0.193	ppbv	90
13) Ethanol	3.62	45	29817	1.277	ppbv	71
15) Acetone	3.87	43	177900	1.024	ppbv	98
19) Isopropyl Alcohol	4.01	45	7871	0.058	ppbv #	44
20) Methylene Chloride	4.37	84	24395	0.468	ppbv	87
25) Ethyl Acetate	5.73	43	15484	0.045	ppbv #	76
26) Hexane	5.73	57	29570	0.204	ppbv #	52
34) 2-Butanone	5.30	43	12014	0.057	ppbv	97
39) 1,2-Dichloropropane	7.24	63	682440	6.549	ppbv #	24
53) Toluene	9.88	91	469144	1.574	ppbv	95

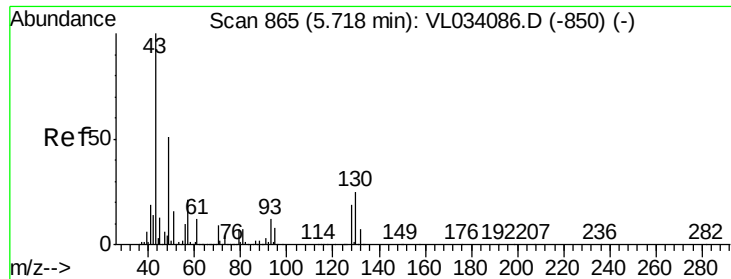
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 863

Delta R.T. -0.01 min

Lab File: VL034107.D

Acq: 12 Aug 2019 17:12

Instrument :

MSVOA_L

ClientSampleId :

SRS-0807-VI1

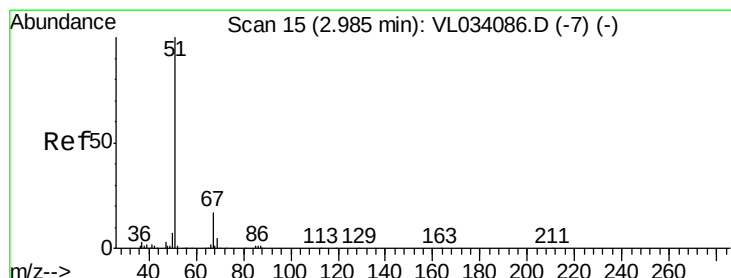
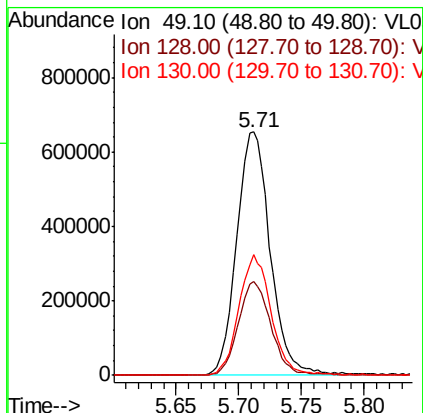
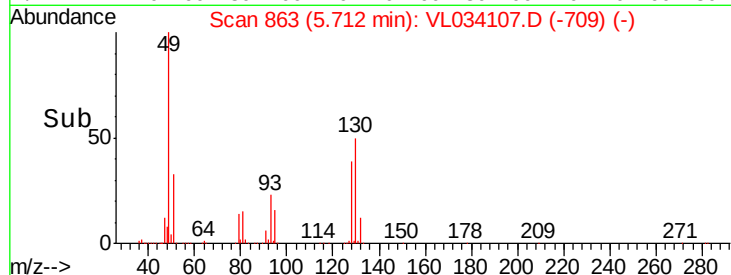
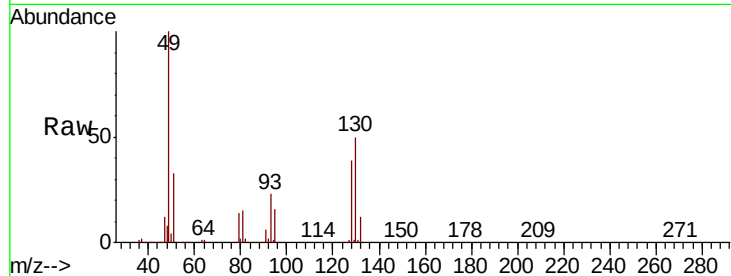
Tgt Ion: 49 Resp: 1215418

Ion Ratio Lower Upper

49 100

128 37.7 19.5 58.5

130 48.1 25.4 76.0



#3

Chlorodifluoromethane

Concen: 0.045 ppbv

RT: 2.99 min Scan# 15

Delta R.T. 0.00 min

Lab File: VL034107.D

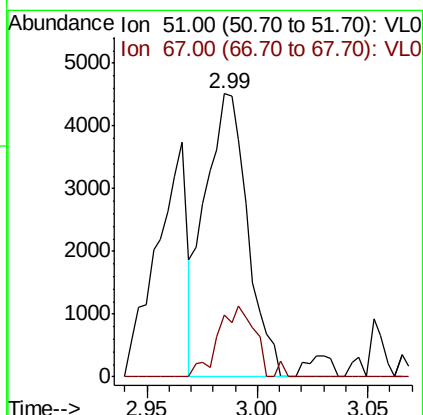
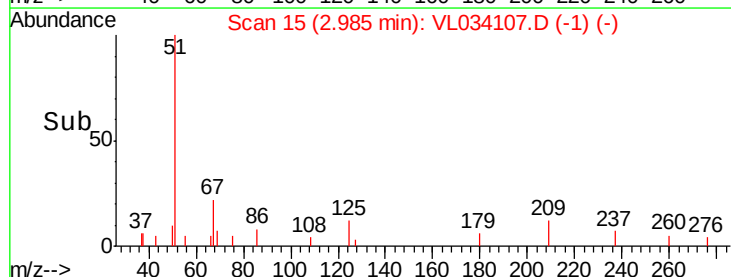
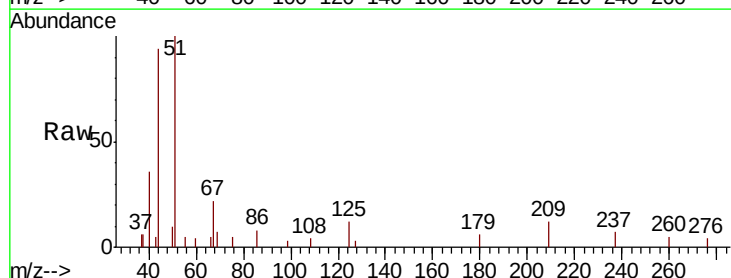
Acq: 12 Aug 2019 17:12

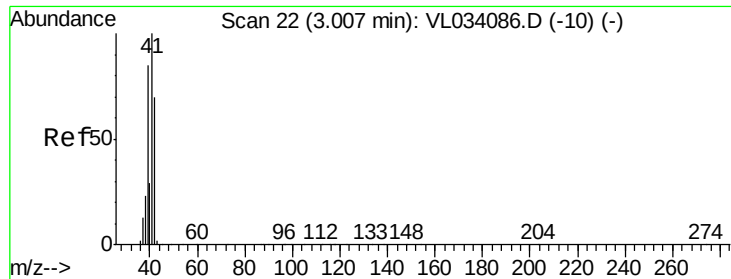
Tgt Ion: 51 Resp: 6259

Ion Ratio Lower Upper

51 100

67 21.2 13.3 19.9#





#9

Propene

Concen: 0.193 ppbv

RT: 3.21 min Scan# 85

Delta R.T. 0.20 min

Lab File: VL034107.D

Acq: 12 Aug 2019 17:12

Instrument :

MSVOA_L

ClientSampleId :

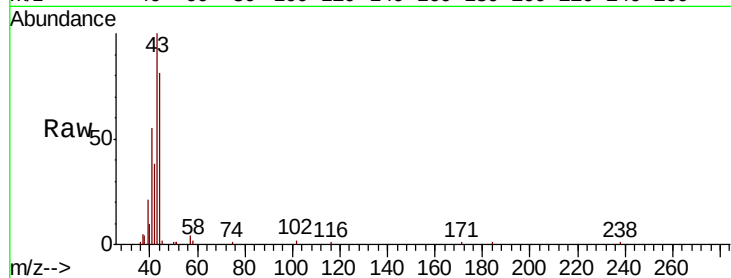
SRS-0807-VI1

Tgt Ion: 41 Resp: 15968

Ion Ratio Lower Upper

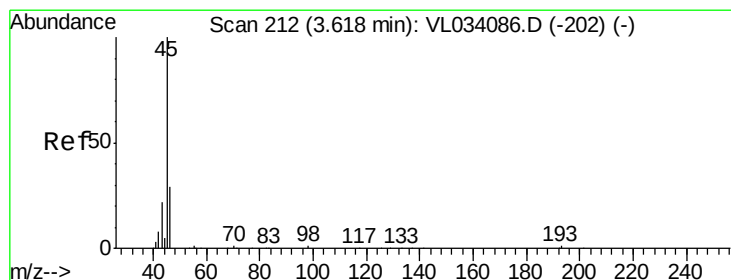
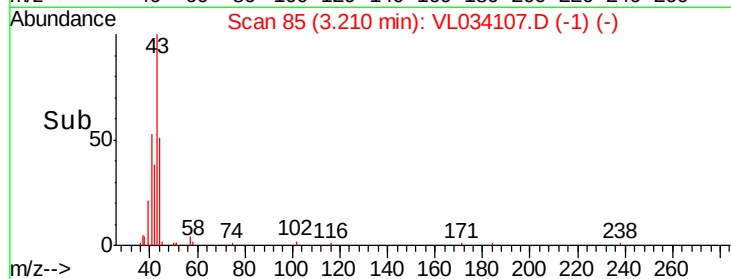
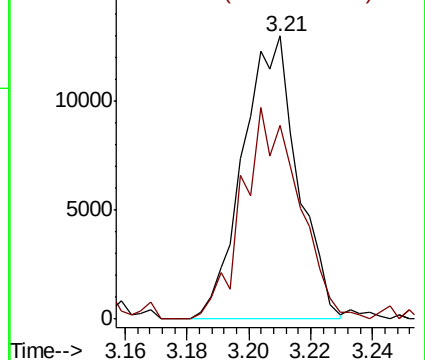
41 100

42 77.8 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 1.277 ppbv

RT: 3.62 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL034107.D

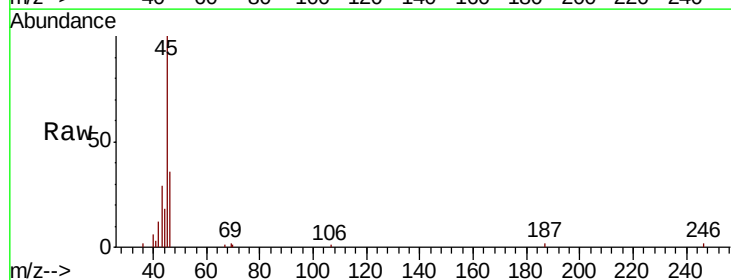
Acq: 12 Aug 2019 17:12

Tgt Ion: 45 Resp: 29817

Ion Ratio Lower Upper

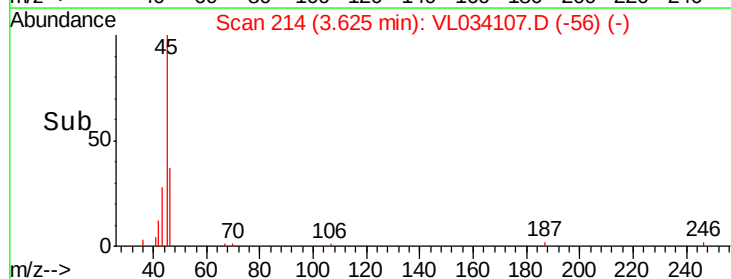
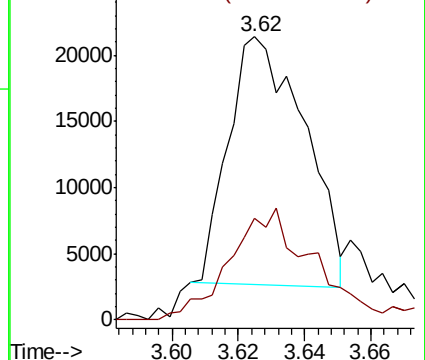
45 100

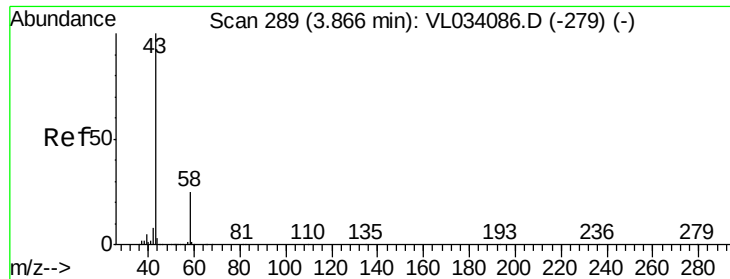
46 54.6 14.9 59.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.024 ppbv

RT: 3.87 min Scan# 290

Delta R.T. 0.00 min

Lab File: VL034107.D

Acq: 12 Aug 2019 17:12

Instrument :

MSVOA_L

ClientSampleId :

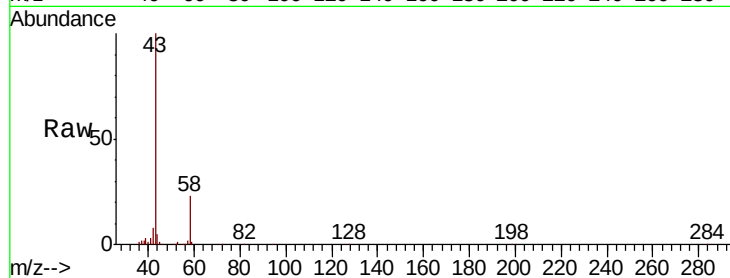
SRS-0807-VI1

Tgt Ion: 43 Resp: 177900

Ion Ratio Lower Upper

43 100

58 24.8 20.6 30.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.87

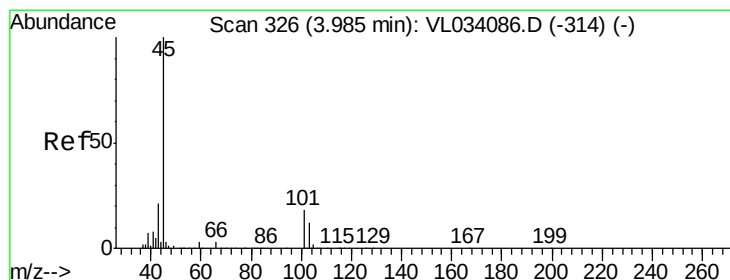
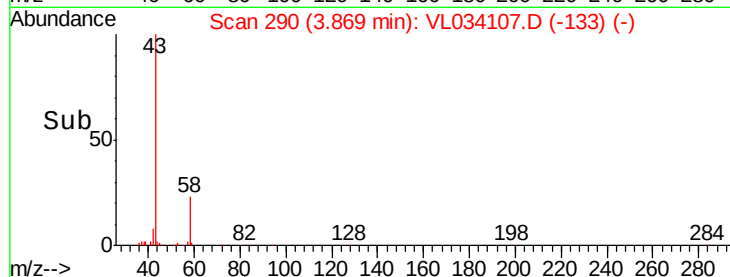
100000

50000

0

Time-->

3.85 3.90



#19

Isopropyl Alcohol

Concen: 0.058 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL034107.D

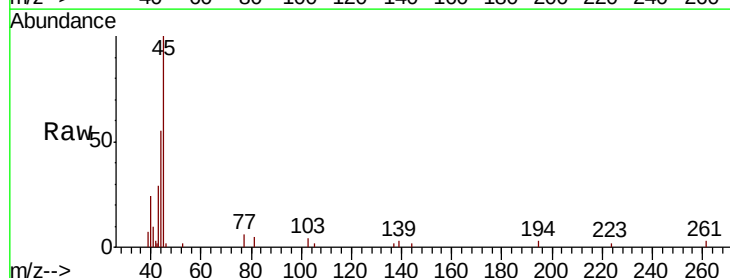
Acq: 12 Aug 2019 17:12

Tgt Ion: 45 Resp: 7871

Ion Ratio Lower Upper

45 100

58 0.0 24.6 37.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.01

12000

10000

8000

6000

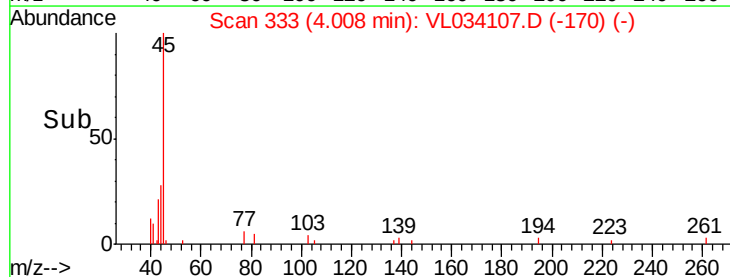
4000

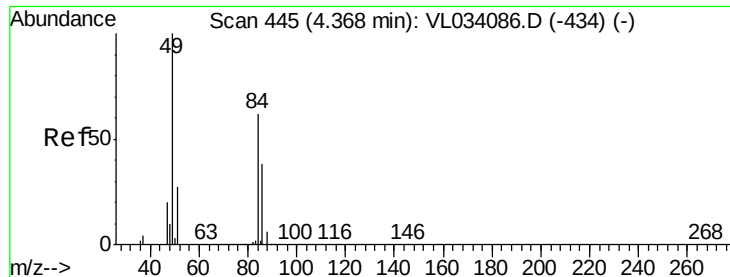
2000

0

Time-->

3.98 3.99 4.00 4.01 4.02

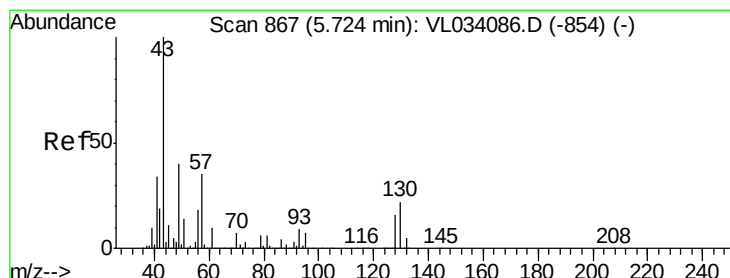
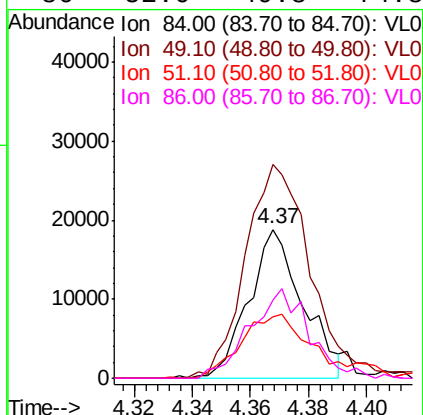
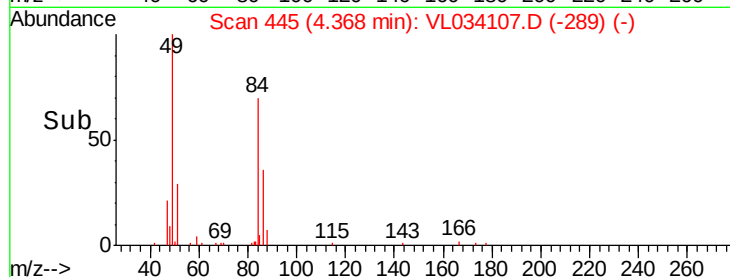
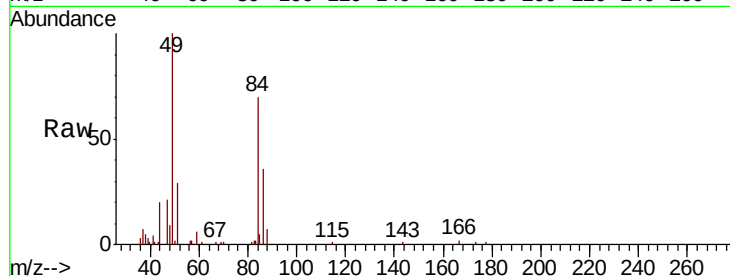




#20
Methylene Chloride
Concen: 0.468 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.00 min
Lab File: VL034107.D
Acq: 12 Aug 2019 17:12

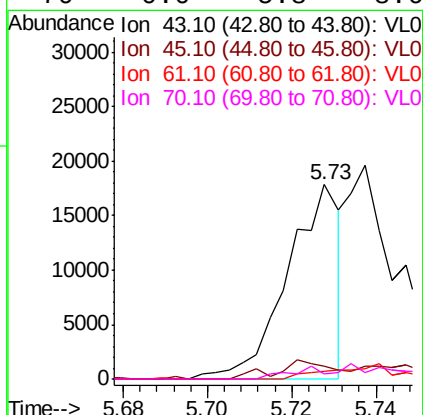
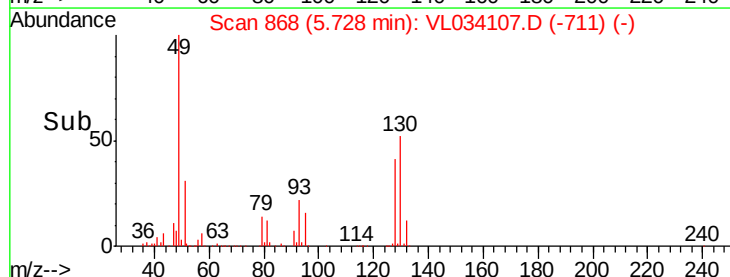
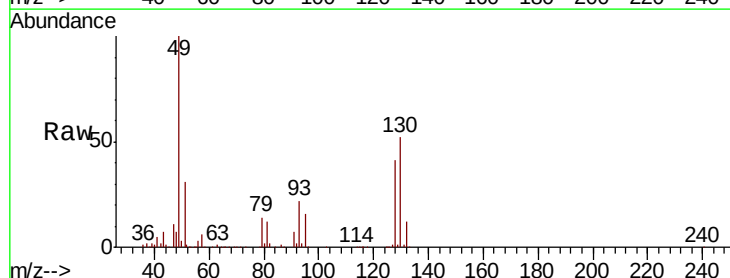
Instrument :
MSVOA_L
ClientSampleId :
SRS-0807-VI1

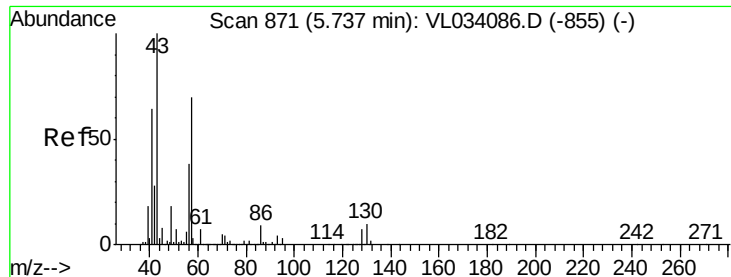
Tgt Ion:	84	Resp:	24395
Ion	Ratio	Lower	Upper
84	100		
49	142.3	129.7	194.5
51	41.0	35.8	53.8
86	52.0	49.8	74.8



#25
Ethyl Acetate
Concen: 0.045 ppbv
RT: 5.73 min Scan# 868
Delta R.T. 0.00 min
Lab File: VL034107.D
Acq: 12 Aug 2019 17:12

Tgt Ion:	43	Resp:	15484
Ion	Ratio	Lower	Upper
43	100		
45	20.1	8.4	12.6#
61	0.0	7.3	10.9#
70	0.0	5.8	8.6#





#26

Hexane

Concen: 0.204 ppbv

RT: 5.73 min Scan# 869

Delta R.T. -0.01 min

Lab File: VL034107.D

Acq: 12 Aug 2019 17:12

Instrument :

MSVOA_L

ClientSampleId :

SRS-0807-VI1

Tgt Ion: 57 Resp: 29570

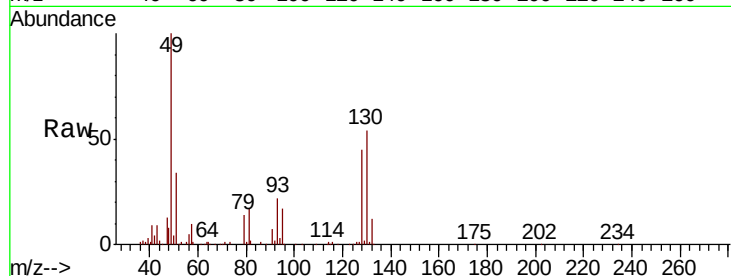
Ion Ratio Lower Upper

57 100

41 100.3 75.7 113.5

43 114.0 189.8 284.8#

56 59.6 42.7 64.1

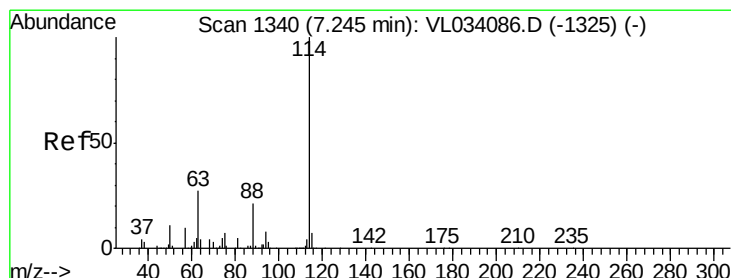
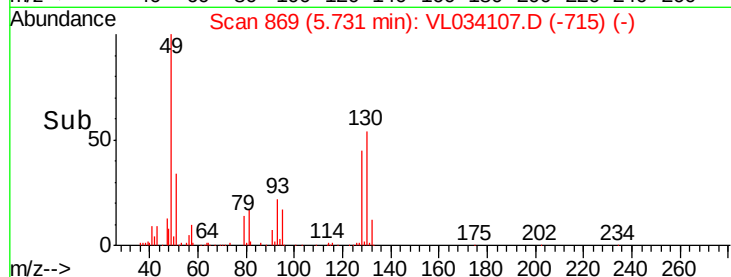
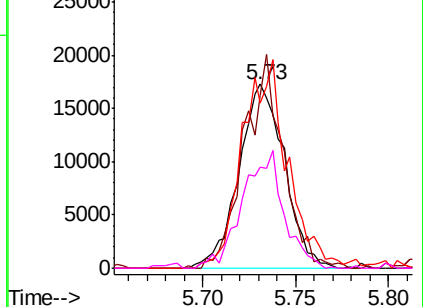


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.24 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VL034107.D

Acq: 12 Aug 2019 17:12

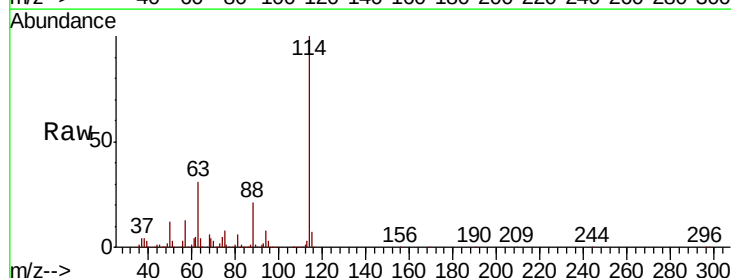
Tgt Ion: 114 Resp: 2272145

Ion Ratio Lower Upper

114 100

63 30.2 22.5 33.7

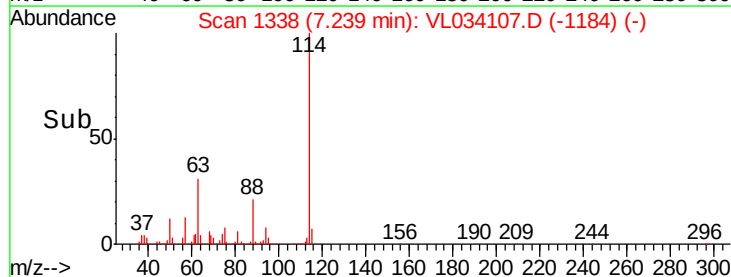
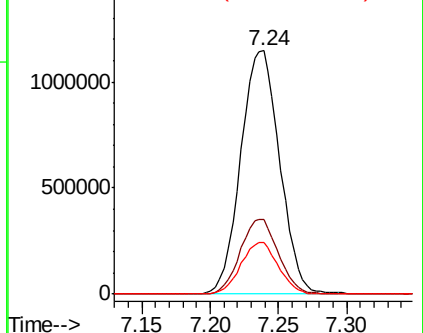
88 20.4 15.7 23.5

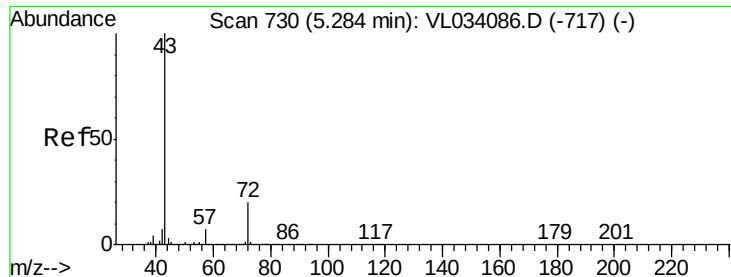


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

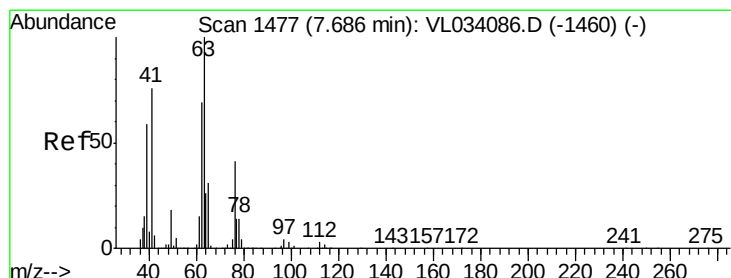
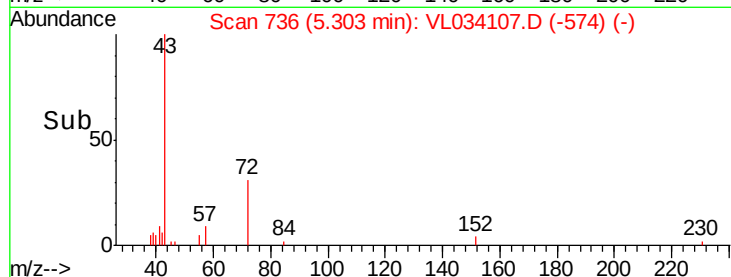
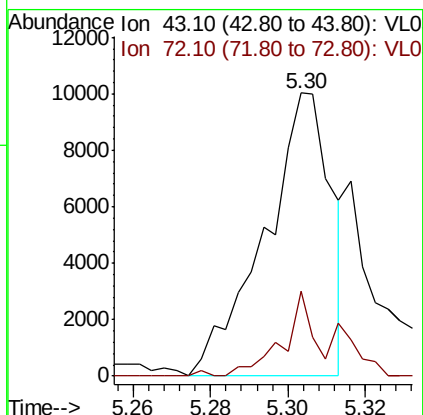
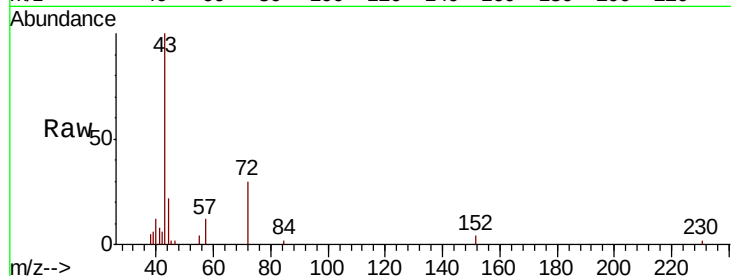




#34
 2-Butanone
 Concen: 0.057 ppbv
 RT: 5.30 min Scan# 736
 Delta R.T. 0.02 min
 Lab File: VL034107.D
 Acq: 12 Aug 2019 17:12

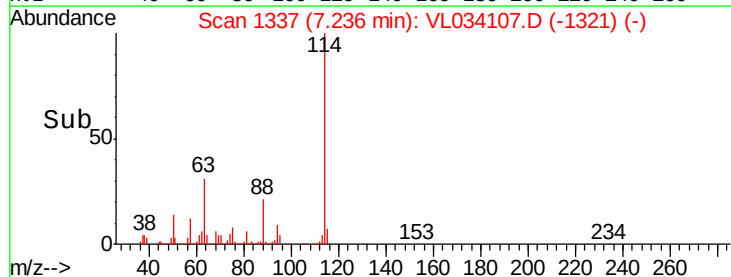
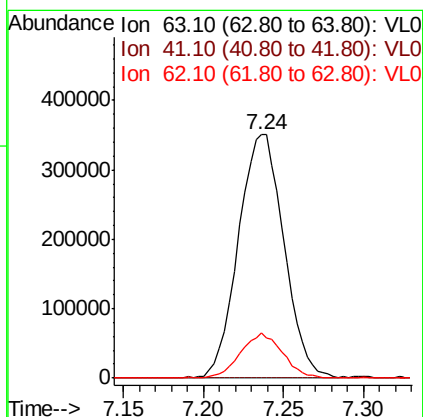
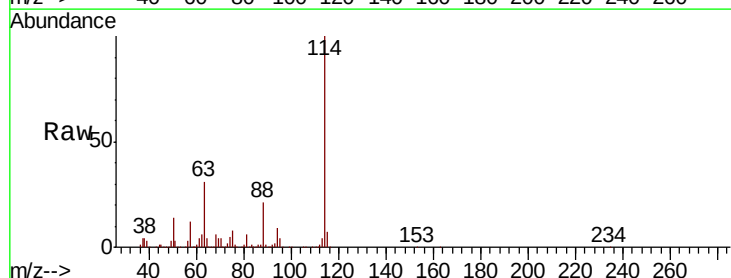
Instrument :
 MSVOA_L
 ClientSampleId :
 SRS-0807-VI1

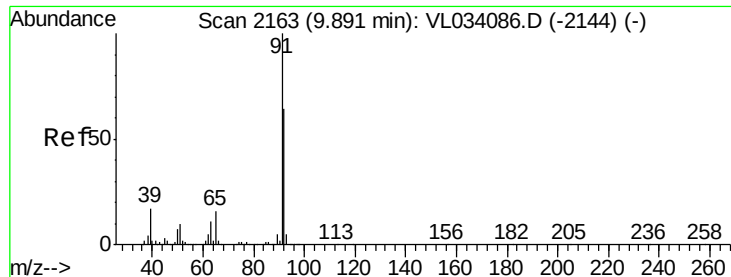
Tgt Ion: 43 Resp: 12014
 Ion Ratio Lower Upper
 43 100
 72 21.3 16.0 24.0



#39
 1,2-Dichloropropane
 Concen: 6.549 ppbv
 RT: 7.24 min Scan# 1337
 Delta R.T. -0.45 min
 Lab File: VL034107.D
 Acq: 12 Aug 2019 17:12

Tgt Ion: 63 Resp: 682440
 Ion Ratio Lower Upper
 63 100
 41 0.0 60.6 91.0#
 62 18.7 55.0 82.6#





#53

Toluene

Concen: 1.574 ppbv

RT: 9.88 min Scan# 2160

Delta R.T. -0.01 min

Lab File: VL034107.D

Acq: 12 Aug 2019 17:12

Instrument :

MSVOA_L

ClientSampleId :

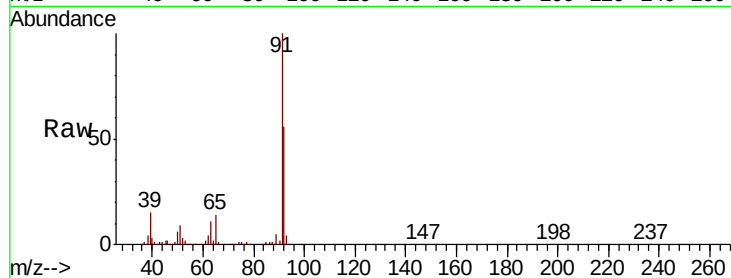
SRS-0807-VI1

Tgt Ion: 91 Resp: 469144

Ion Ratio Lower Upper

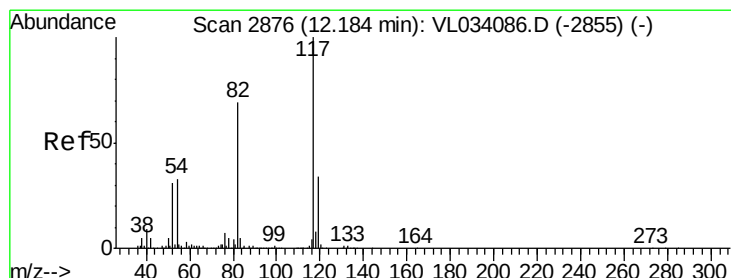
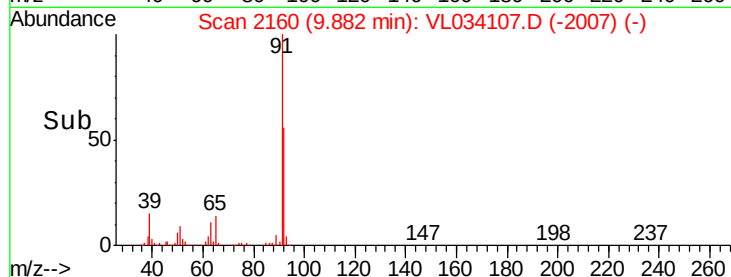
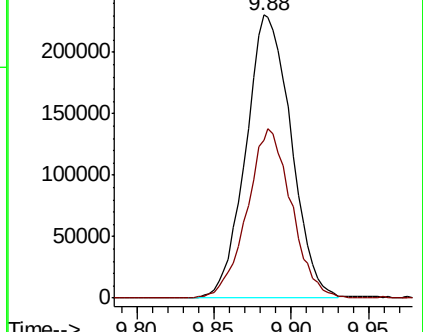
91 100

92 58.7 50.3 75.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.18 min Scan# 2874

Delta R.T. -0.01 min

Lab File: VL034107.D

Acq: 12 Aug 2019 17:12

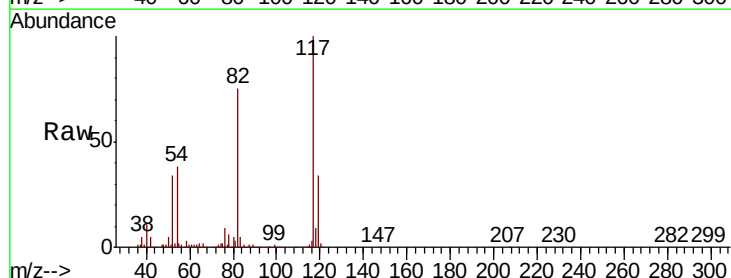
Tgt Ion: 117 Resp: 2308359

Ion Ratio Lower Upper

117 100

82 74.1 52.2 78.4

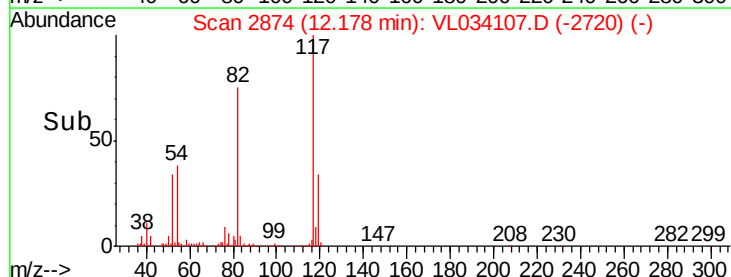
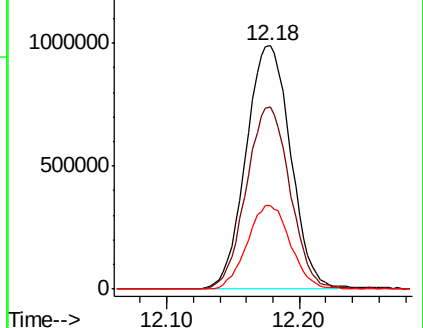
119 33.6 44.8 67.2#

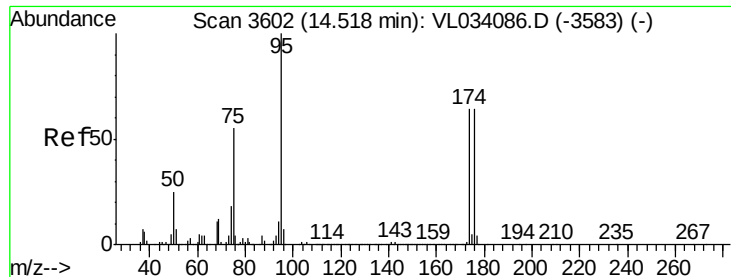


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.666 ppbv
 RT: 14.51 min Scan# 3600
 Delta R.T. -0.01 min
 Lab File: VL034107.D
 Acq: 12 Aug 2019 17:12

Instrument :
 MSVOA_L
 ClientSampleId :
 SRS-0807-VI1

Tgt Ion: 95 Resp: 1997723
 Ion Ratio Lower Upper
 95 100
 174 62.9 53.0 79.6
 175 4.6 4.2 6.2

