

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081219\
 Data File : VL034114.D
 Acq On : 12 Aug 2019 23:35
 Operator : SY/AP
 Sample : K4296-02DL 20X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SRS-0807-VI2DL

Quant Time: Aug 13 04:06:15 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	1236196	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	2273260	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	2331589	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	2004347	10.59	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.90%

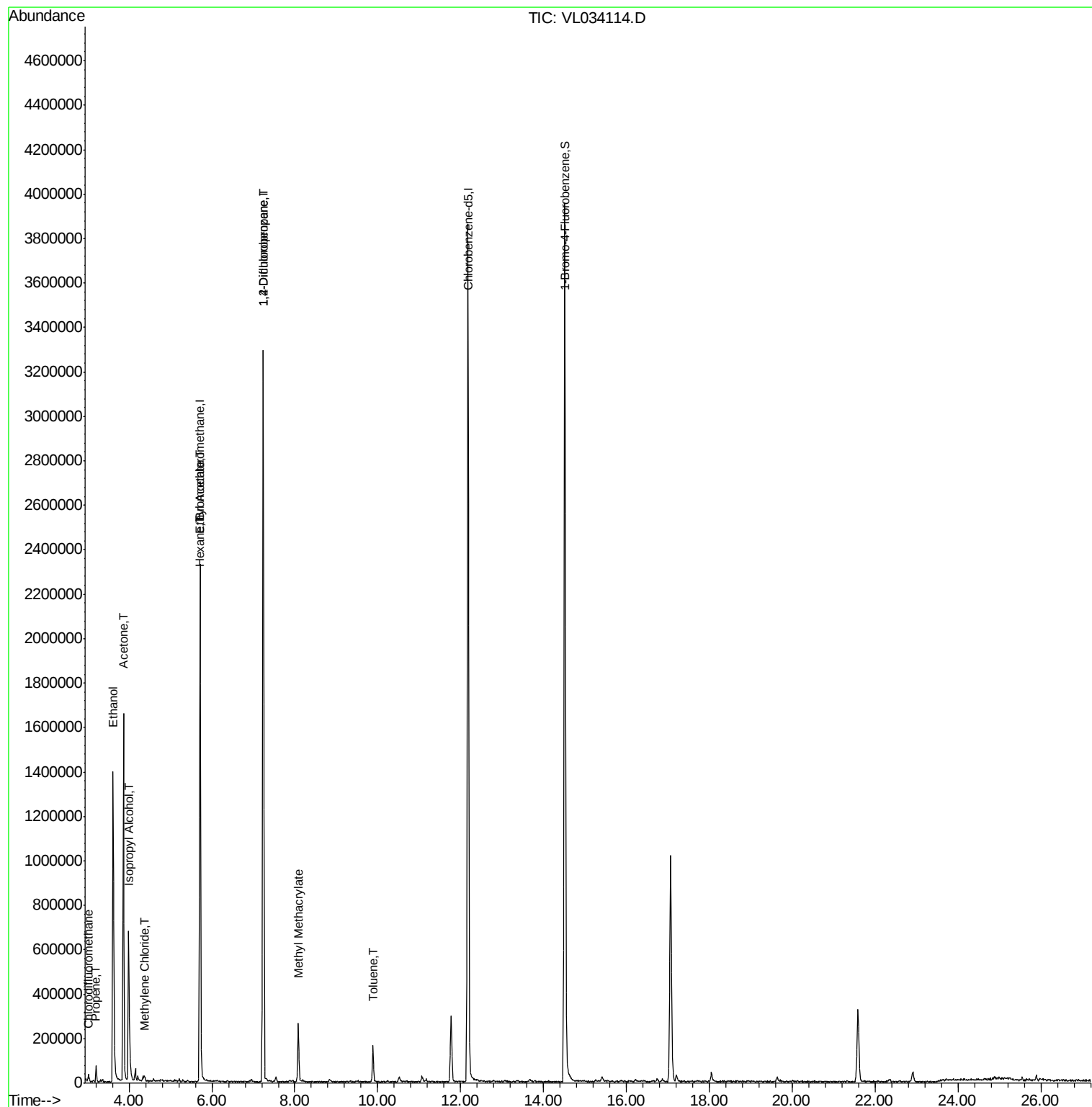
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.03	51	9135	0.064	ppbv #	66
9) Propene	3.21	41	17415	0.207	ppbv	91
13) Ethanol	3.62	45	1569732	66.093	ppbv	100
15) Acetone	3.86	43	1655236	9.370	ppbv	99
19) Isopropyl Alcohol	3.99	45	819140	5.955	ppbv #	59
20) Methylene Chloride	4.36	84	5373	0.101	ppbv #	72
25) Ethyl Acetate	5.72	43	50667	0.146	ppbv #	88
26) Hexane	5.73	57	8459	0.057	ppbv #	1
39) 1,2-Dichloropropane	7.24	63	687536	6.595	ppbv #	23
43) Methyl Methacrylate	8.08	69	91742	0.866	ppbv	96
53) Toluene	9.89	91	69419	0.233	ppbv #	60

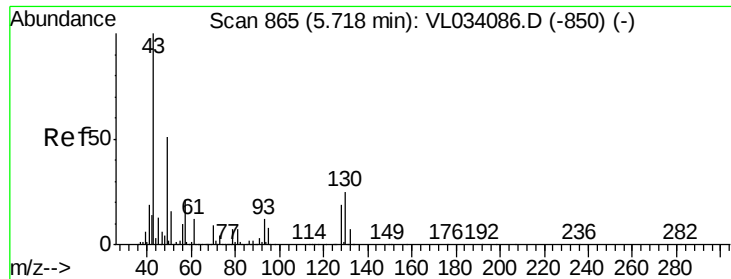
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

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SRS-0807-VI2DL

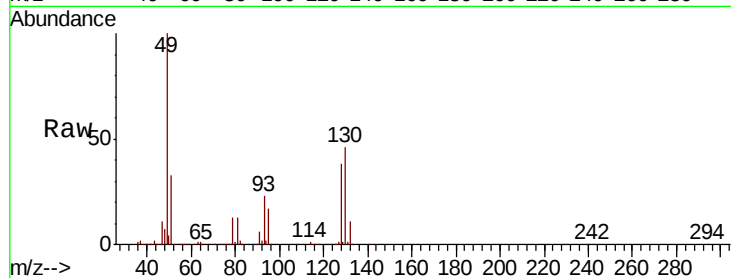
Tgt Ion: 49 Resp: 1236196

Ion Ratio Lower Upper

49 100

128 38.0 19.5 58.5

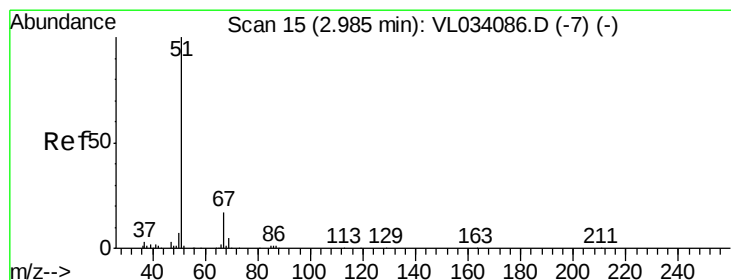
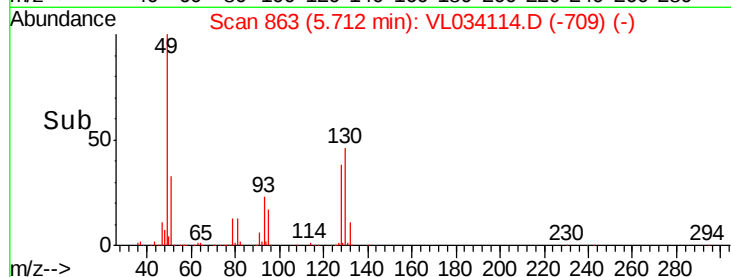
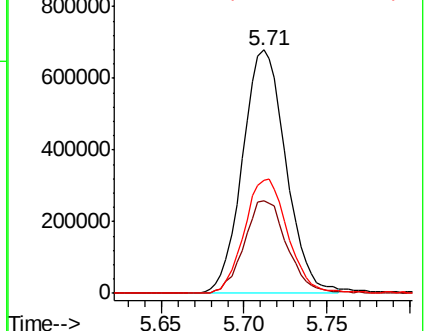
130 47.6 25.4 76.0



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



#3

Chlorodifluoromethane

Concen: 0.064 ppbv

RT: 3.03 min Scan# 28

Delta R.T. 0.04 min

Lab File: VL034114.D

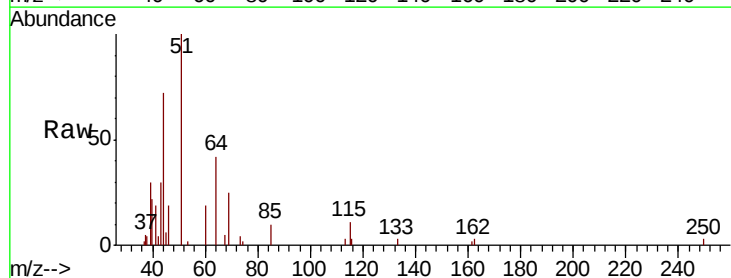
Acq: 12 Aug 2019 23:35

Tgt Ion: 51 Resp: 9135

Ion Ratio Lower Upper

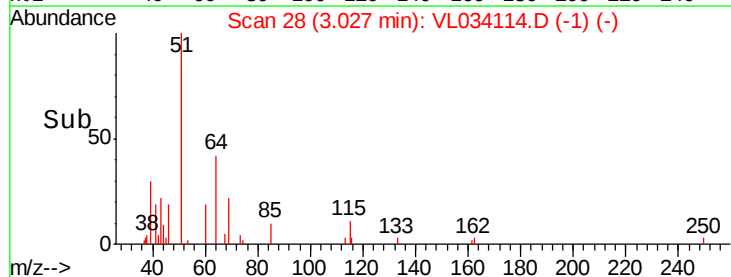
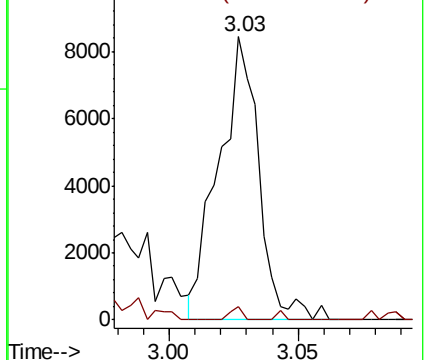
51 100

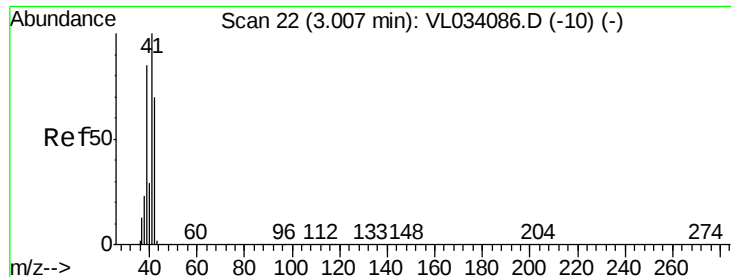
67 1.9 13.3 19.9#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.207 ppbv

RT: 3.21 min Scan# 84

Delta R.T. 0.20 min

Lab File: VL034114.D

Acq: 12 Aug 2019 23:35

Instrument :

MSVOA_L

ClientSampleId :

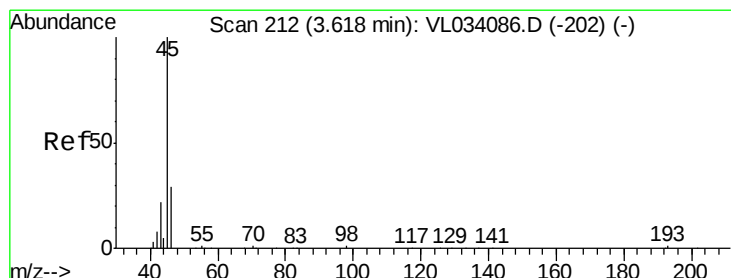
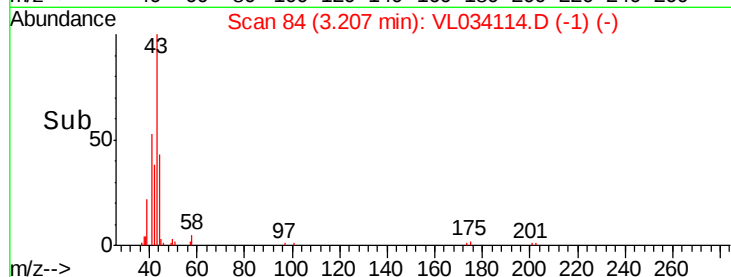
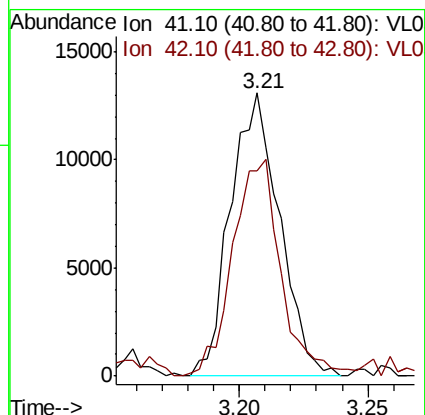
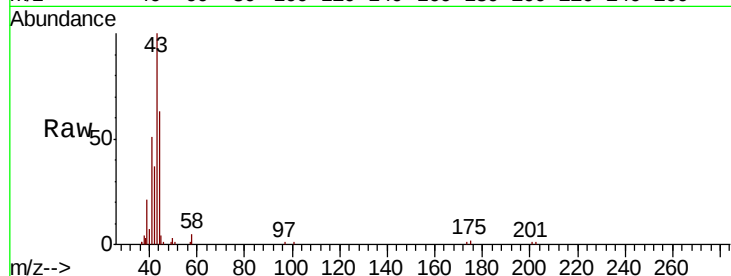
SRS-0807-VI2DL

Tgt Ion: 41 Resp: 17415

Ion Ratio Lower Upper

41 100

42 76.8 55.8 83.6



#13

Ethanol

Concen: 66.093 ppbv

RT: 3.62 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL034114.D

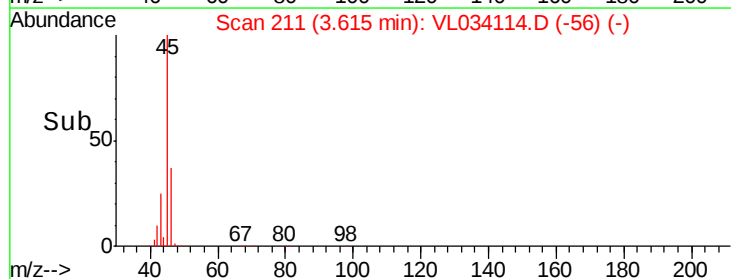
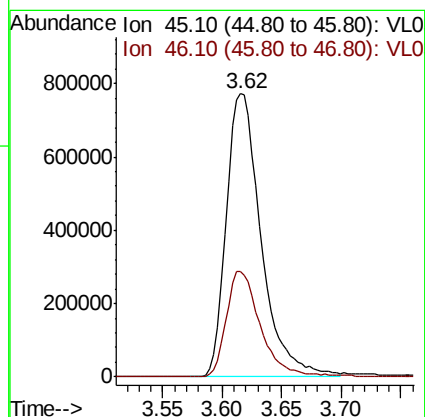
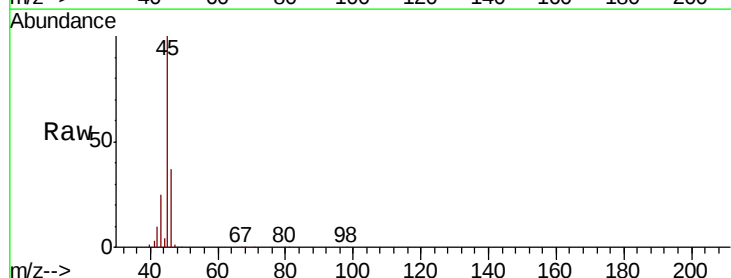
Acq: 12 Aug 2019 23:35

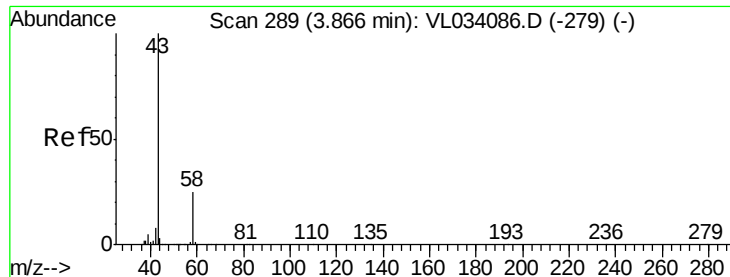
Tgt Ion: 45 Resp: 1569732

Ion Ratio Lower Upper

45 100

46 37.0 14.9 59.5





#15

Acetone

Concen: 9.370 ppbv

RT: 3.86 min Scan# 288

Delta R.T. -0.00 min

Lab File: VL034114.D

Acq: 12 Aug 2019 23:35

Instrument :

MSVOA_L

ClientSampleId :

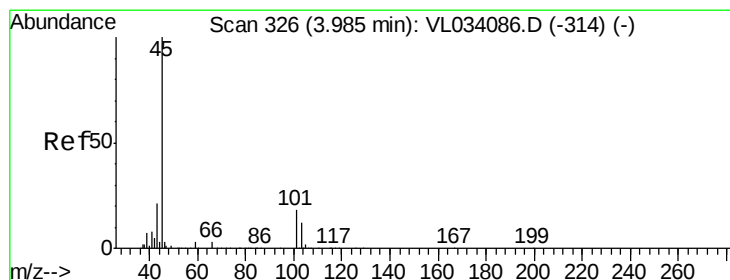
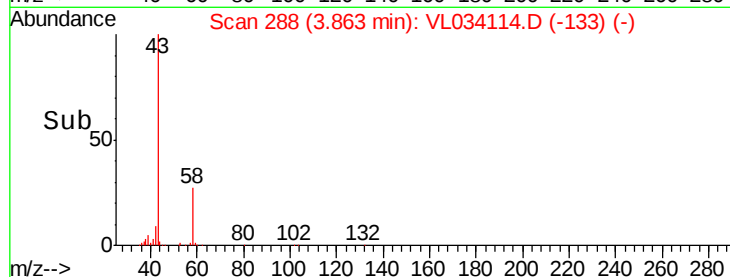
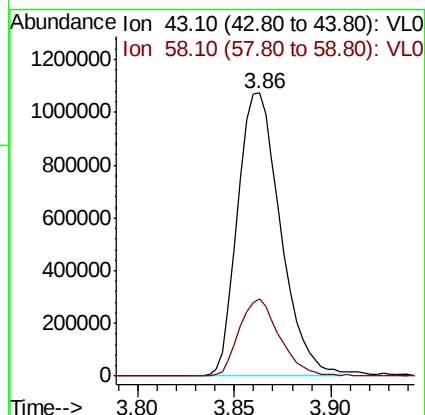
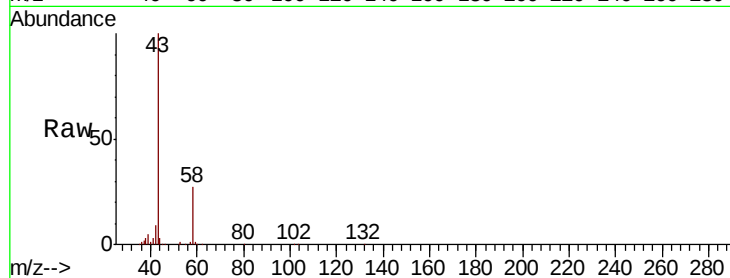
SRS-0807-VI2DL

Tgt Ion: 43 Resp: 1655236

Ion Ratio Lower Upper

43 100

58 26.2 20.6 30.8



#19

Isopropyl Alcohol

Concen: 5.955 ppbv

RT: 3.99 min Scan# 328

Delta R.T. 0.01 min

Lab File: VL034114.D

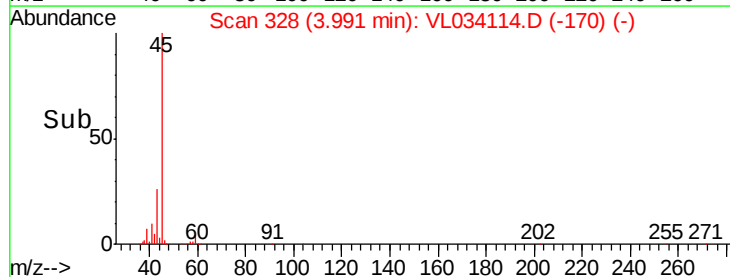
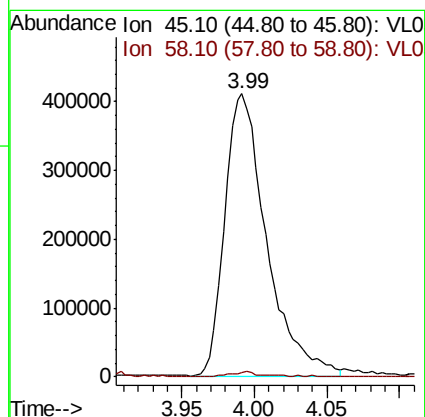
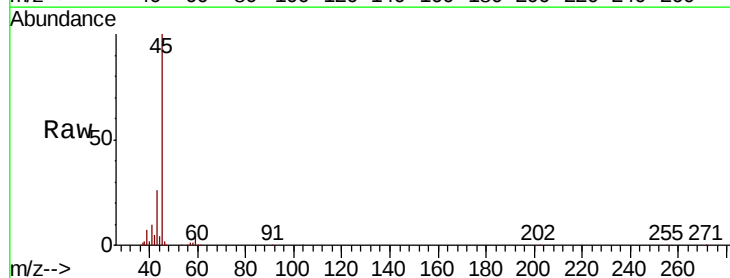
Acq: 12 Aug 2019 23:35

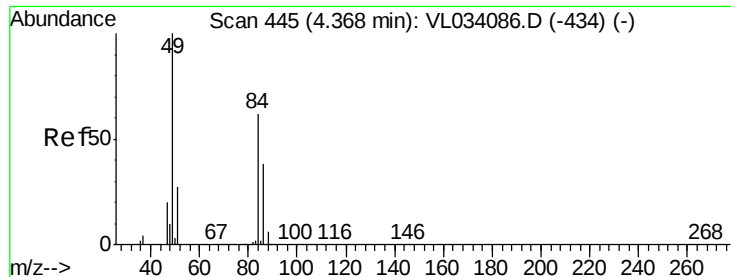
Tgt Ion: 45 Resp: 819140

Ion Ratio Lower Upper

45 100

58 53.0 24.6 37.0#

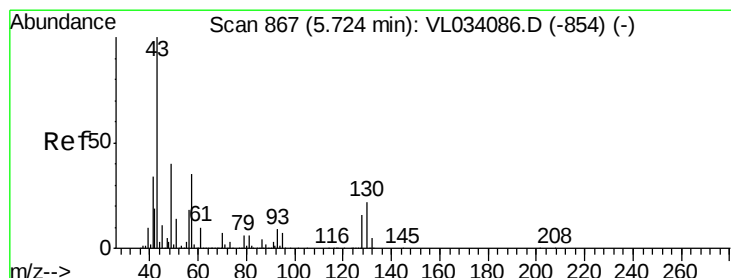
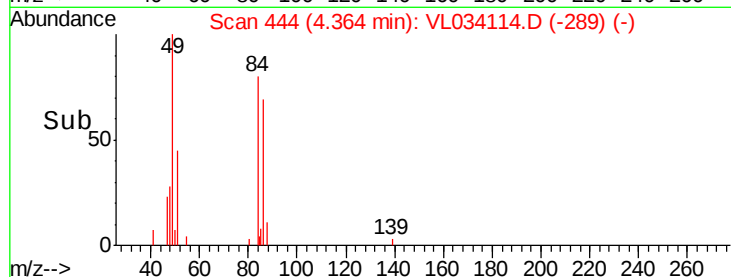
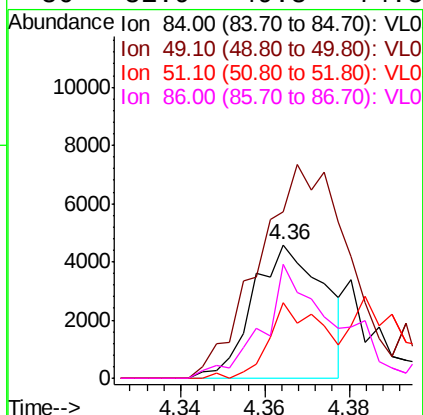
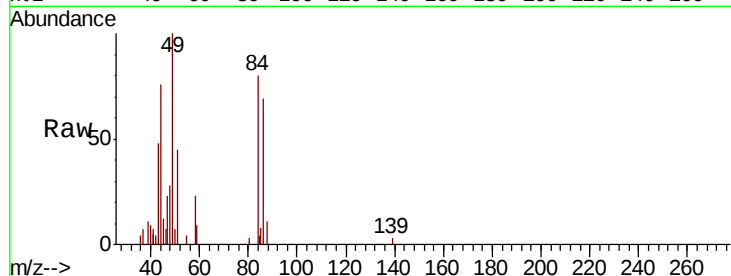




#20
Methylene Chloride
Concen: 0.101 ppbv
RT: 4.36 min Scan# 444
Delta R.T. -0.00 min
Lab File: VL034114.D
Acq: 12 Aug 2019 23:35

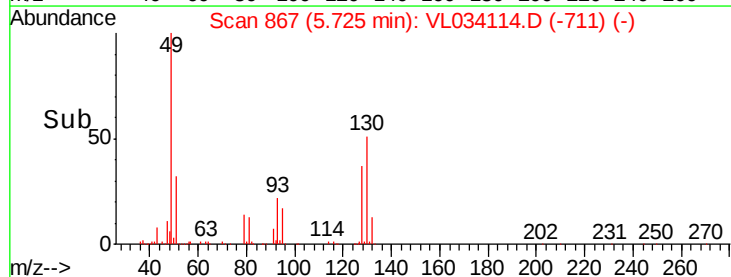
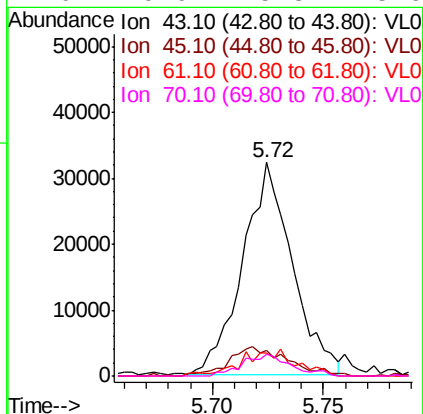
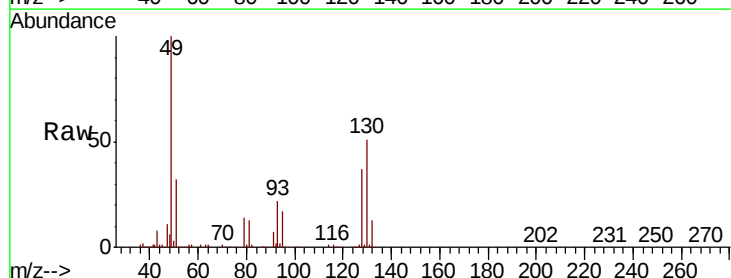
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MSVOA_L
ClientSampleId :
SRS-0807-VI2DL

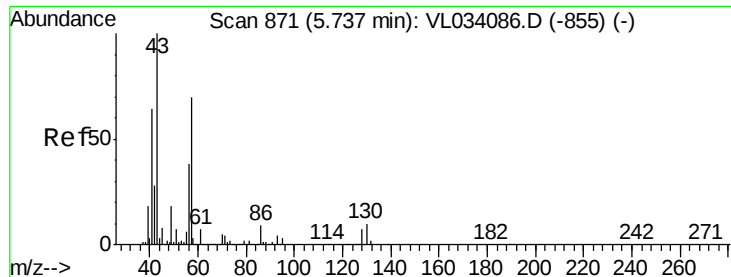
Tgt Ion: 84 Resp: 5373
Ion Ratio Lower Upper
84 100
49 119.4 129.7 194.5#
51 54.0 35.8 53.8#
86 81.9 49.8 74.8#



#25
Ethyl Acetate
Concen: 0.146 ppbv
RT: 5.72 min Scan# 867
Delta R.T. 0.00 min
Lab File: VL034114.D
Acq: 12 Aug 2019 23:35

Tgt Ion: 43 Resp: 50667
Ion Ratio Lower Upper
43 100
45 16.3 8.4 12.6#
61 13.4 7.3 10.9#
70 9.9 5.8 8.6#

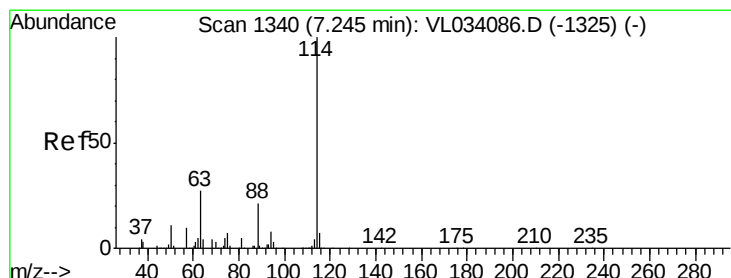
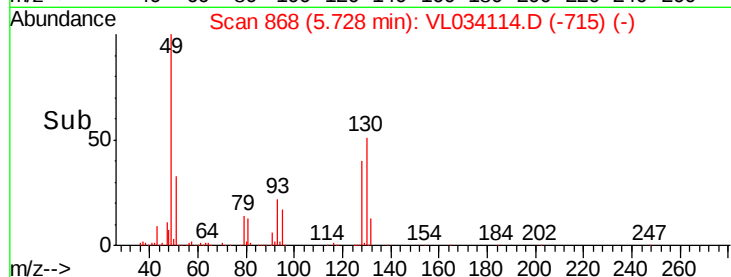
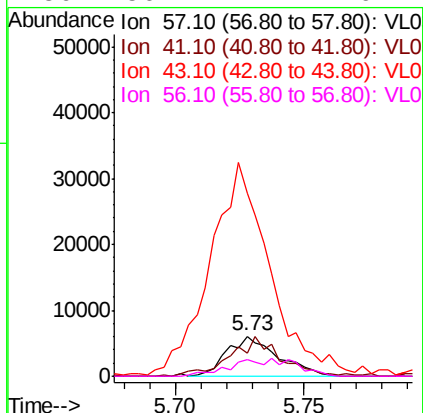
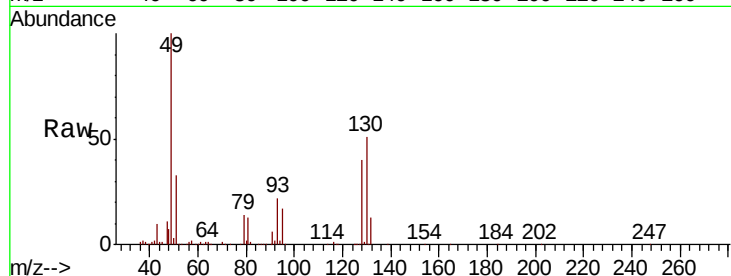




#26
Hexane
Concen: 0.057 ppbv
RT: 5.73 min Scan# 868
Delta R.T. -0.01 min
Lab File: VL034114.D
Acq: 12 Aug 2019 23:35

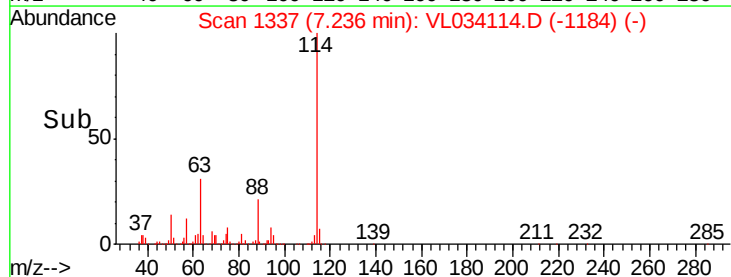
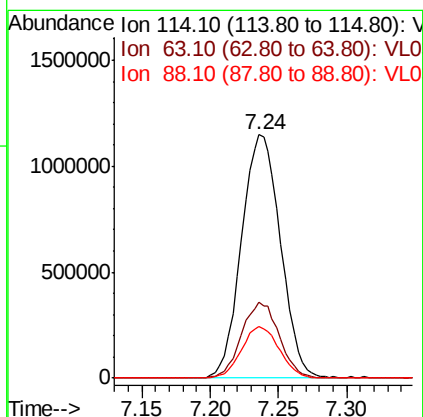
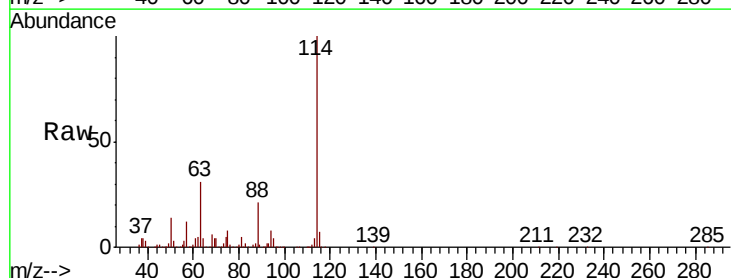
Instrument :
MSVOA_L
ClientSampleId :
SRS-0807-VI2DL

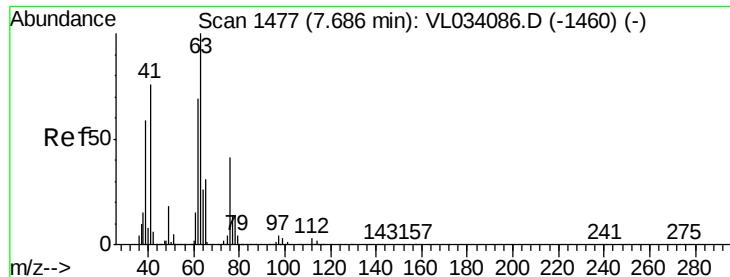
Tgt Ion:	57	Resp:	8459
Ion	Ratio	Lower	Upper
57	100		
41	99.4	75.7	113.5
43	662.3	189.8	284.8#
56	56.1	42.7	64.1



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VL034114.D
Acq: 12 Aug 2019 23:35

Tgt Ion:	114	Resp:	2273260
Ion	Ratio	Lower	Upper
114	100		
63	30.3	22.5	33.7
88	20.7	15.7	23.5





#39

1,2-Dichloropropane

Concen: 6.595 ppbv

RT: 7.24 min Scan# 1337

Delta R.T. -0.45 min

Lab File: VL034114.D

Acq: 12 Aug 2019 23:35

Instrument :

MSVOA_L

ClientSampleId :

SRS-0807-VI2DL

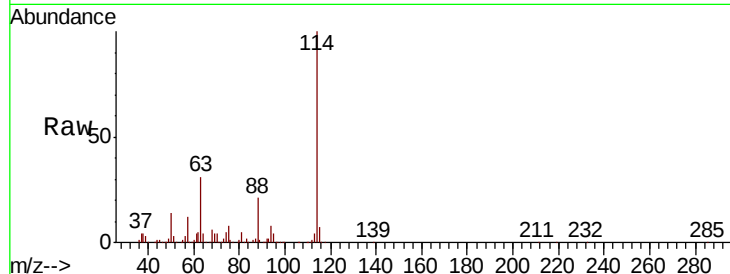
Tgt Ion: 63 Resp: 687536

Ion Ratio Lower Upper

63 100

41 0.0 60.6 91.0#

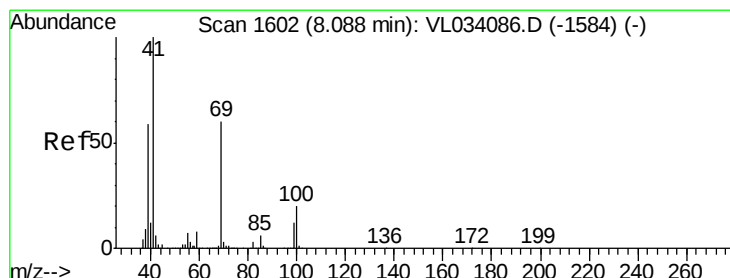
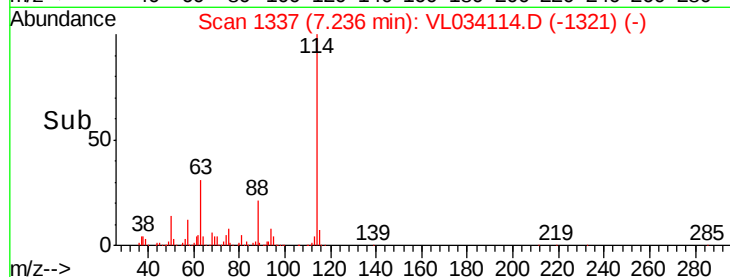
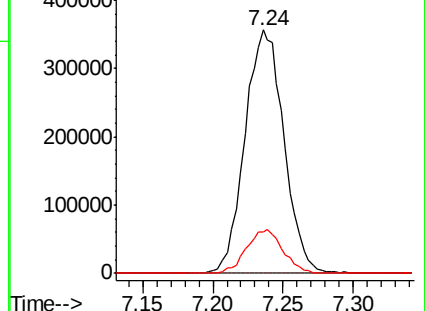
62 17.2 55.0 82.6#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#43

Methyl Methacrylate

Concen: 0.866 ppbv

RT: 8.08 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VL034114.D

Acq: 12 Aug 2019 23:35

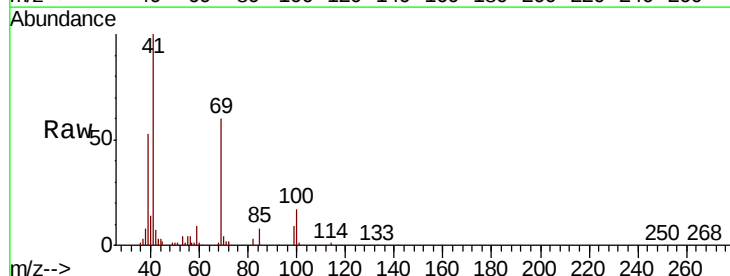
Tgt Ion: 69 Resp: 91742

Ion Ratio Lower Upper

69 100

41 171.9 132.9 199.3

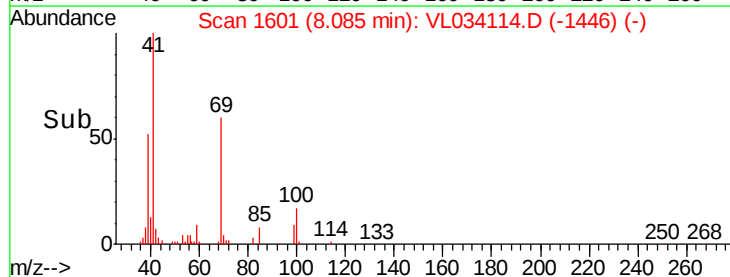
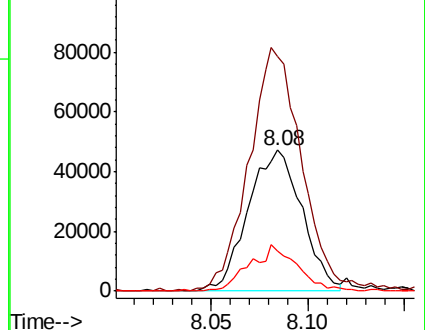
100 29.3 25.8 38.8

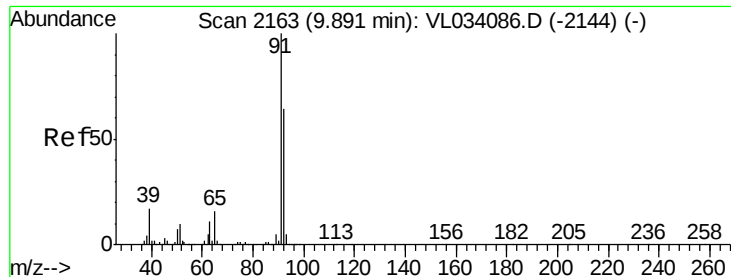


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0





#53

Toluene

Concen: 0.233 ppbv

RT: 9.89 min Scan# 2161

Delta R.T. -0.01 min

Lab File: VL034114.D

Acq: 12 Aug 2019 23:35

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ClientSampleId :

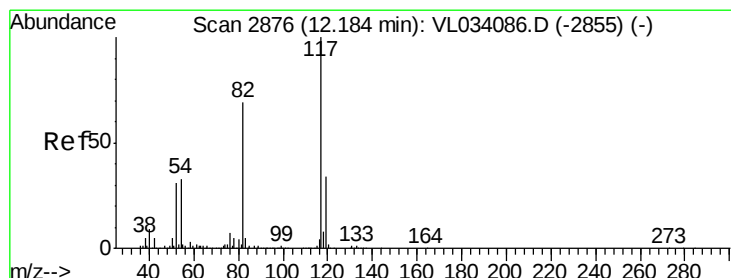
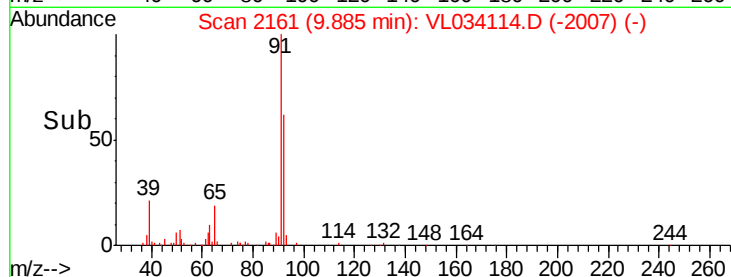
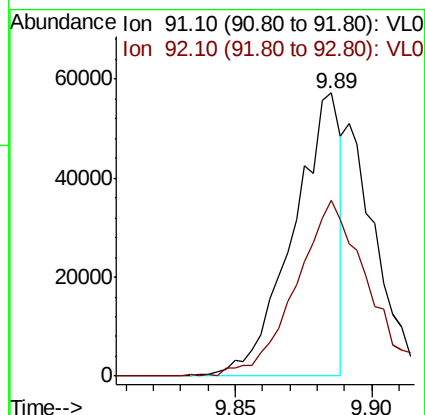
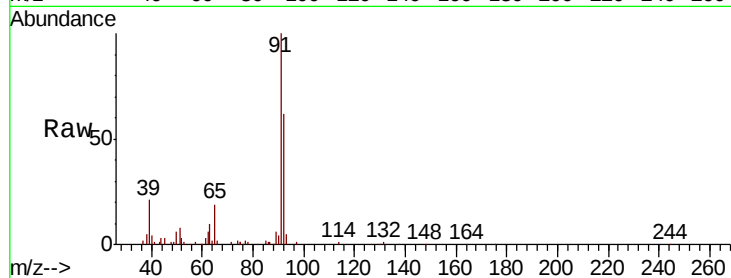
SRS-0807-VI2DL

Tgt Ion: 91 Resp: 69419

Ion Ratio Lower Upper

91 100

92 93.6 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: VL034114.D

Acq: 12 Aug 2019 23:35

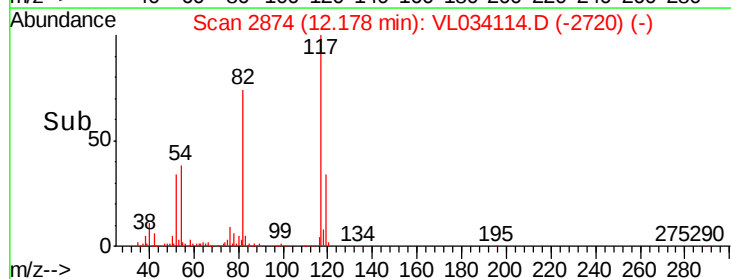
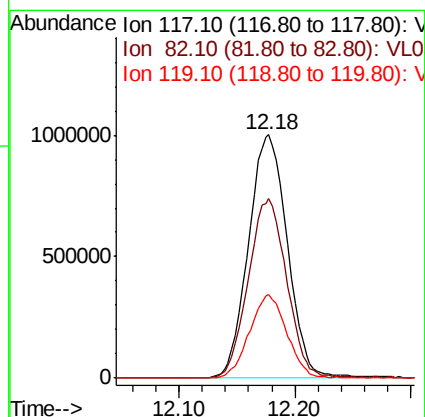
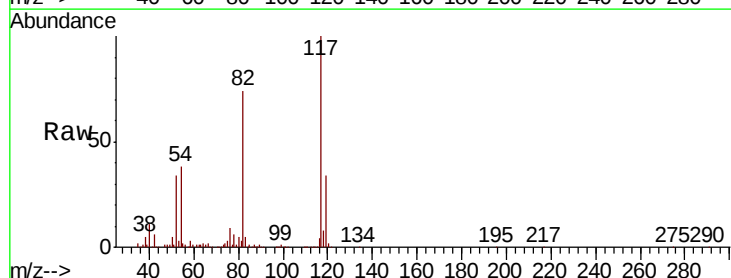
Tgt Ion: 117 Resp: 2331589

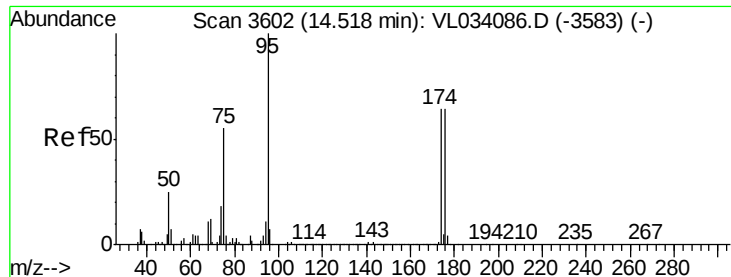
Ion Ratio Lower Upper

117 100

82 73.3 52.2 78.4

119 33.1 44.8 67.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.595 ppbv

RT: 14.51 min Scan# 3600

Delta R.T. -0.01 min

Lab File: VL034114.D

Acq: 12 Aug 2019 23:35

Instrument :

MSVOA_L

ClientSampleId :

SRS-0807-VI2DL

Tgt Ion: 95 Resp: 2004347

Ion Ratio Lower Upper

95 100

174 62.1 53.0 79.6

175 4.2 4.2 6.2

