

Data File : VL033197.D
Acq On : 13 Feb 2019 21:42
Operator : SY/AP
Sample : K1408-02DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AB-SSDL2

Quant Time: Feb 14 04:29:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	967839	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2153554	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2154640	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1708941	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

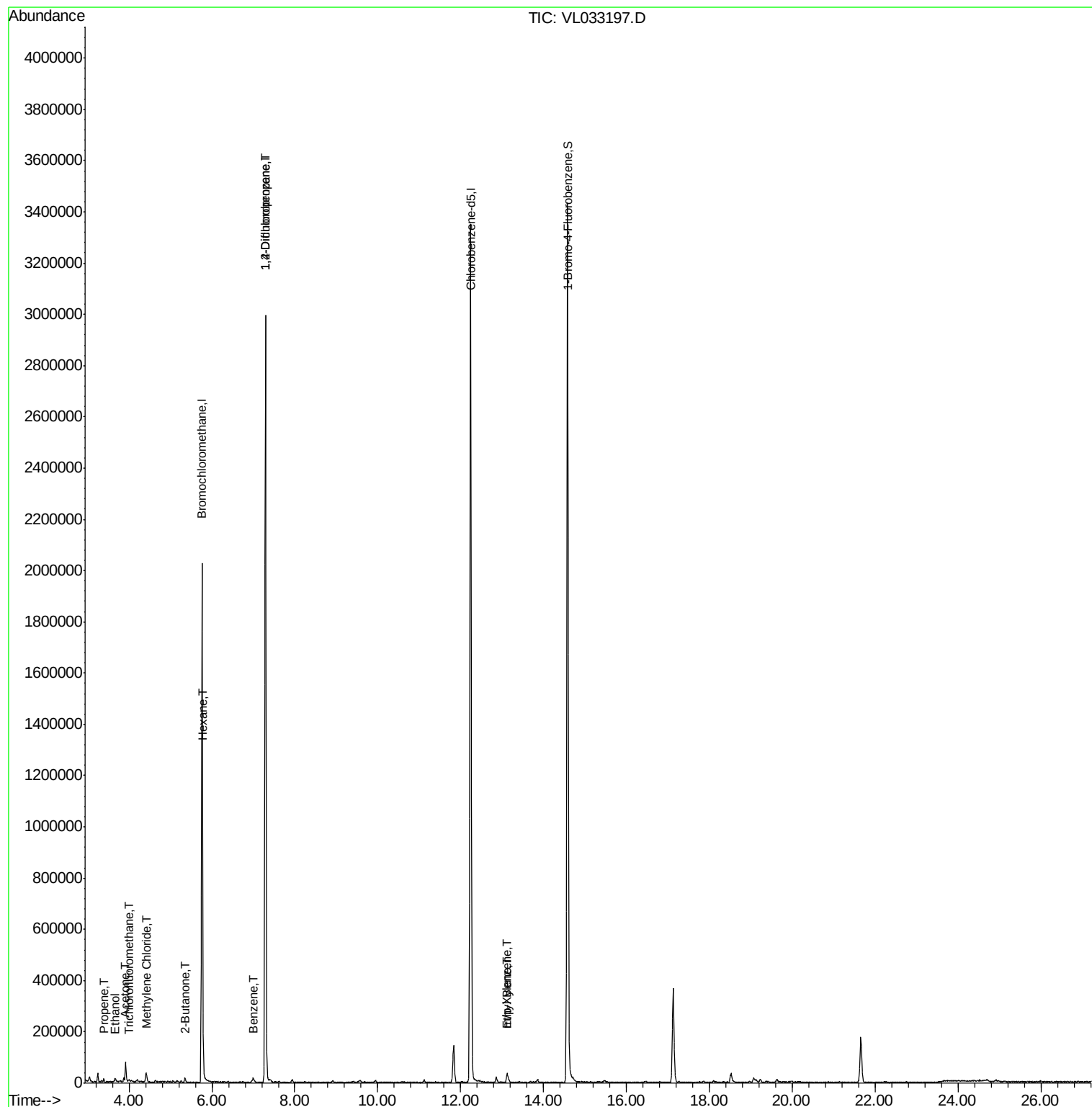
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.39	41	2107	0.037	ppbv	93
11) Trichlorofluoromethane	4.00	101	5625	0.038	ppbv #	70
13) Ethanol	3.66	45	4789	0.255	ppbv #	37
15) Acetone	3.92	43	75531	0.693	ppbv	97
20) Methylene Chloride	4.41	84	6129	0.141	ppbv #	88
26) Hexane	5.78	57	7884	0.069	ppbv #	44
34) 2-Butanone	5.35	43	21389	0.157	ppbv	99
36) Benzene	7.00	78	7100	0.033	ppbv #	89
39) 1,2-Dichloropropane	7.29	63	588349	6.826	ppbv #	25
58) Ethyl Benzene	13.11	91	12995	0.037	ppbv	92
59) m/p-Xylene	13.13	91	13656	0.047	ppbv #	100

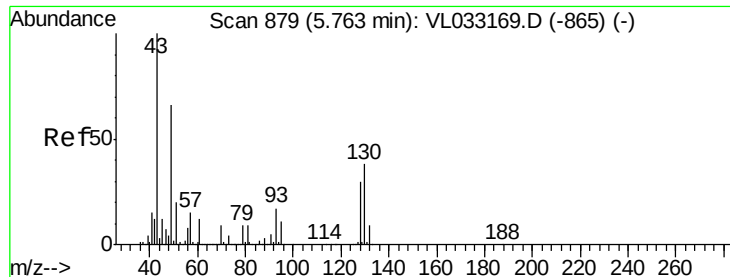
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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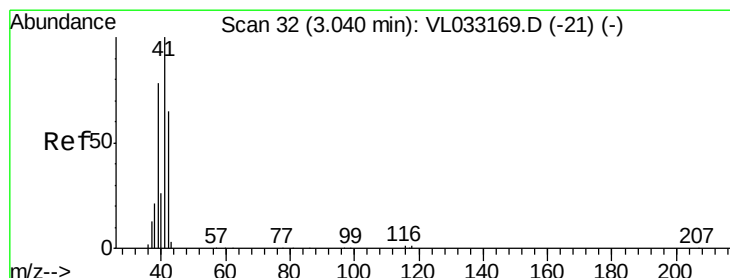
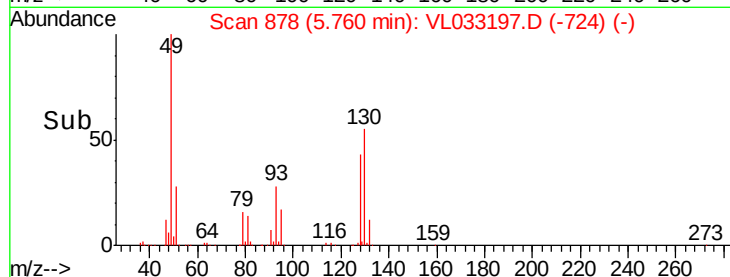
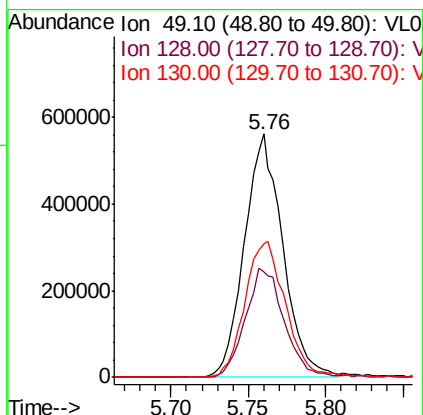
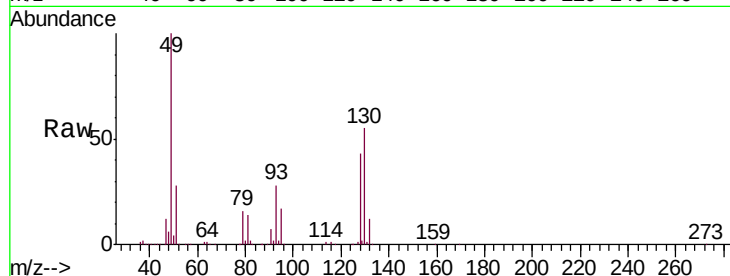




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 878
 Delta R.T. -0.00 min
 Lab File: VL033197.D
 Acq: 13 Feb 2019 21:42

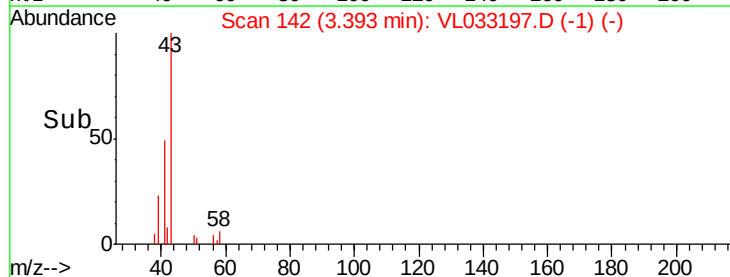
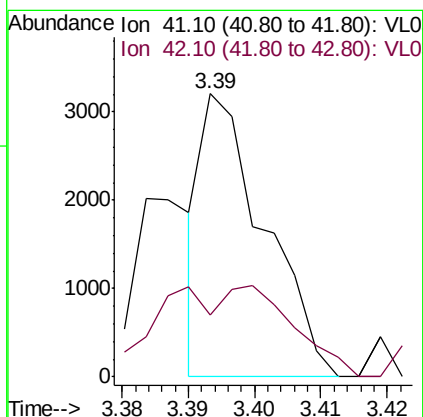
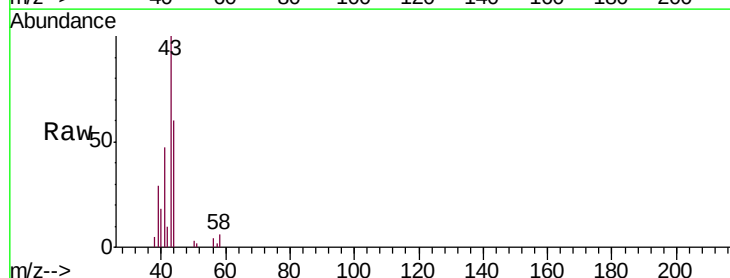
Instrument :
 MSVOA_L
 ClientSampleId :
 AB-SSDL2

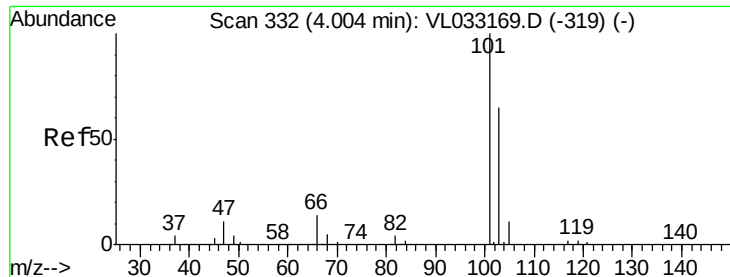
Tgt Ion: 49 Resp: 967839
 Ion Ratio Lower Upper
 49 100
 128 45.8 23.6 71.0
 130 60.2 30.3 91.0



#9
 Propene
 Concen: 0.037 ppbv
 RT: 3.39 min Scan# 142
 Delta R.T. 0.35 min
 Lab File: VL033197.D
 Acq: 13 Feb 2019 21:42

Tgt Ion: 41 Resp: 2107
 Ion Ratio Lower Upper
 41 100
 42 74.1 55.0 82.6





#11

Trichlorofluoromethane

Concen: 0.038 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL033197.D

Acq: 13 Feb 2019 21:42

Instrument :

MSVOA_L

ClientSampleId :

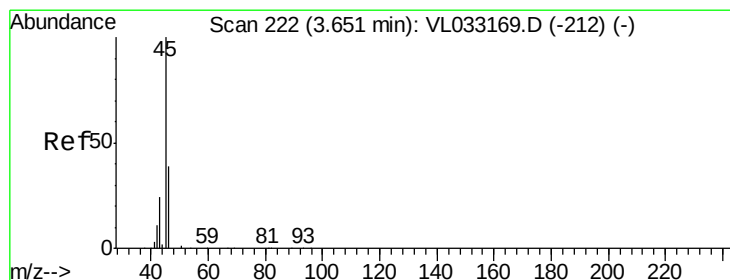
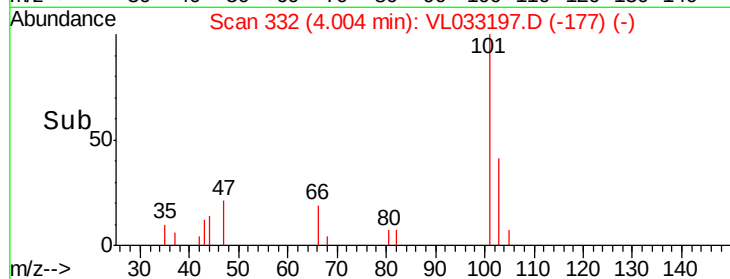
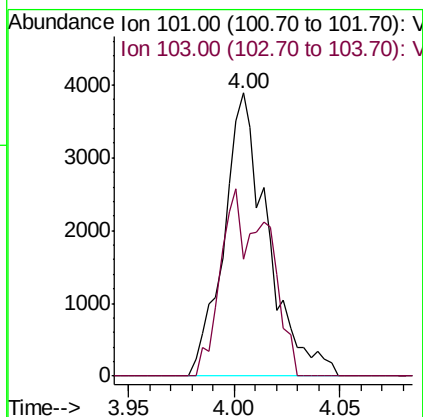
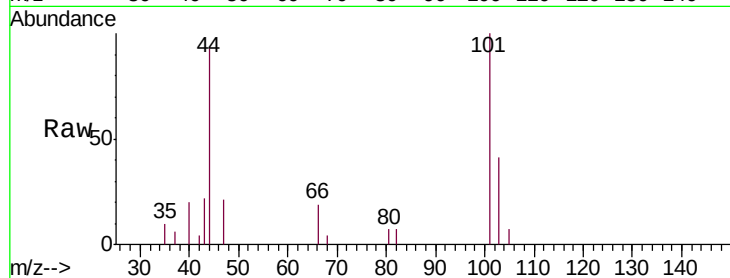
AB-SSDL2

Tgt Ion: 101 Resp: 5625

Ion Ratio Lower Upper

101 100

103 41.2 51.7 77.5#



#13

Ethanol

Concen: 0.255 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL033197.D

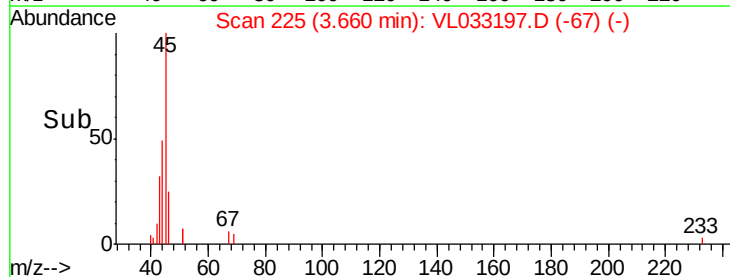
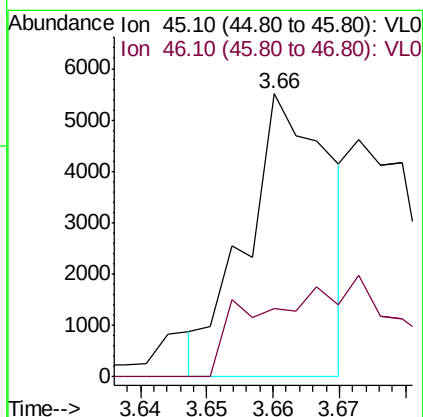
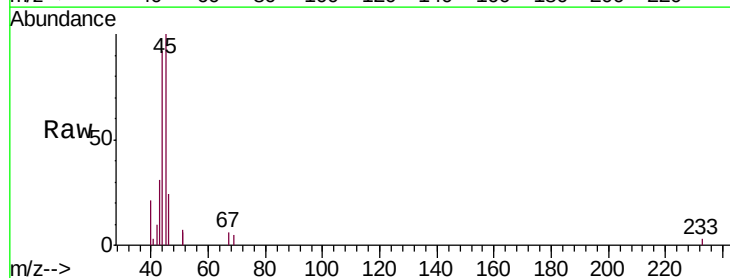
Acq: 13 Feb 2019 21:42

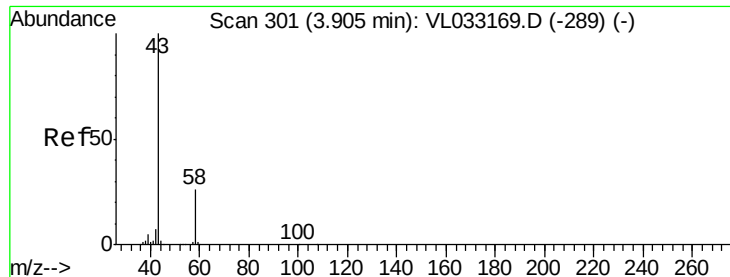
Tgt Ion: 45 Resp: 4789

Ion Ratio Lower Upper

45 100

46 0.0 15.0 60.2#





#15

Acetone

Concen: 0.693 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.01 min

Lab File: VL033197.D

Acq: 13 Feb 2019 21:42

Instrument :

MSVOA_L

ClientSampleId :

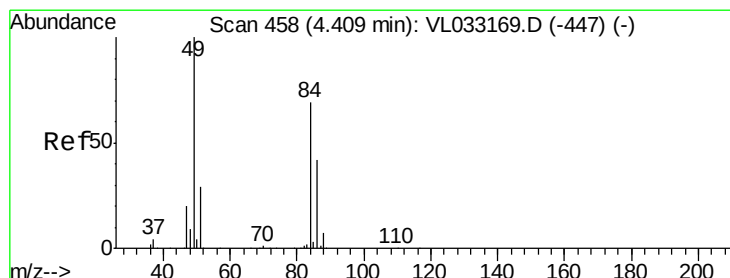
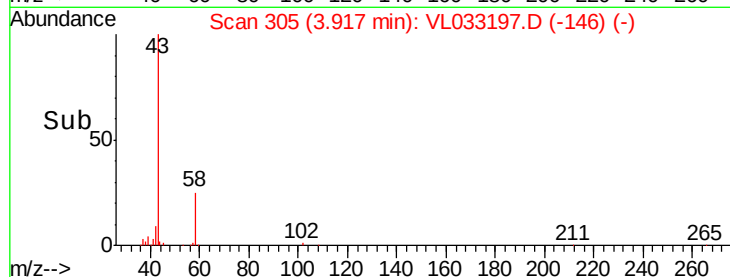
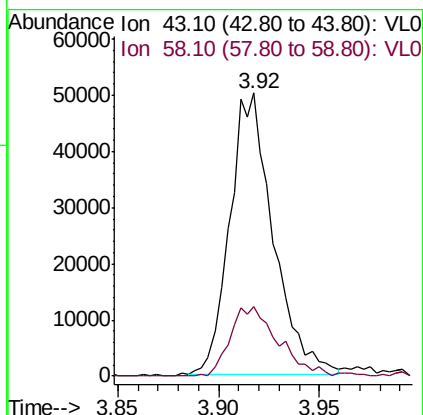
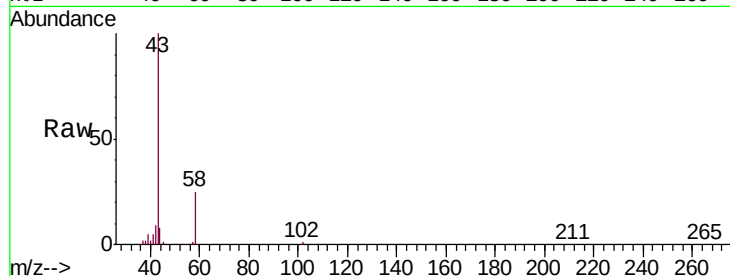
AB-SSDL2

Tgt Ion: 43 Resp: 75531

Ion Ratio Lower Upper

43 100

58 27.7 21.1 31.7



#20

Methylene Chloride

Concen: 0.141 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033197.D

Acq: 13 Feb 2019 21:42

Tgt Ion: 84 Resp: 6129

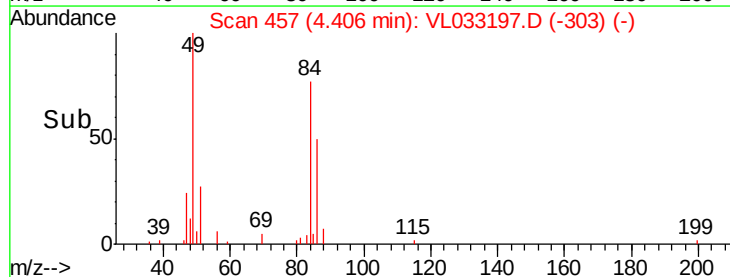
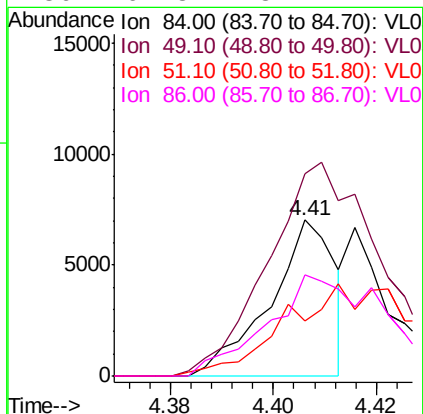
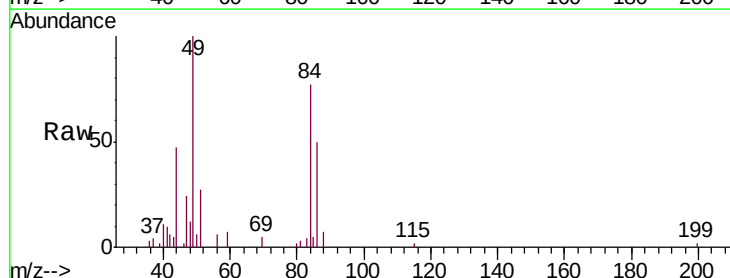
Ion Ratio Lower Upper

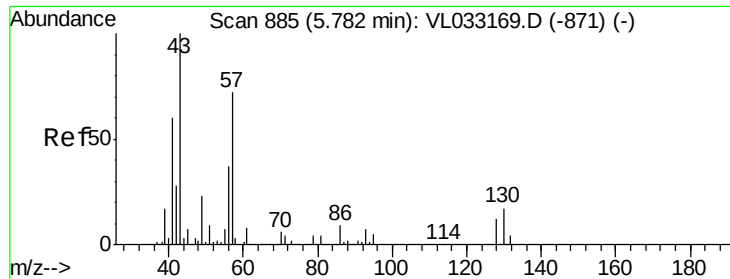
84 100

49 126.8 115.8 173.8

51 33.0 33.0 49.6#

86 64.8 48.2 72.2

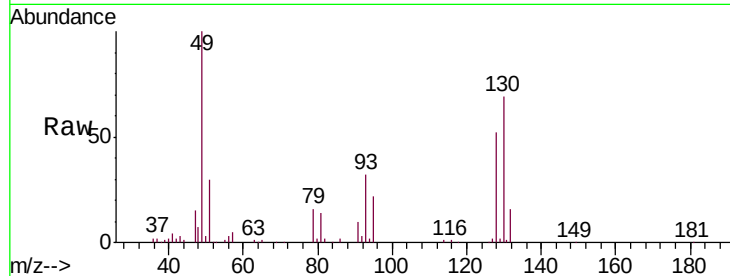




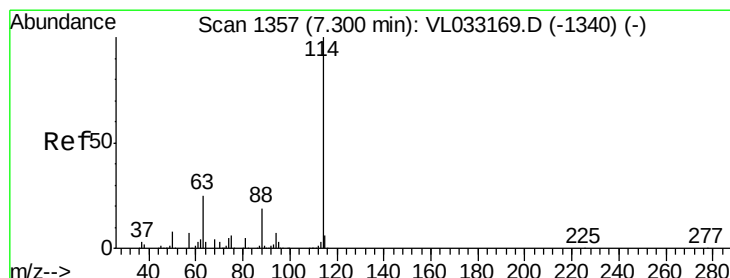
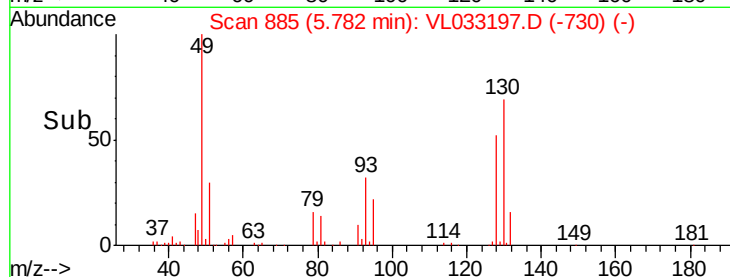
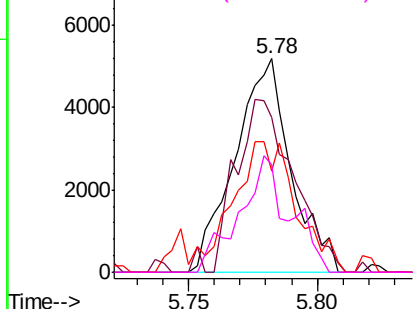
#26
Hexane
Concen: 0.069 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033197.D
Acq: 13 Feb 2019 21:42

Instrument :
MSVOA_L
ClientSampleId :
AB-SSDL2

Tgt Ion:	57	Resp:	7884
Ion	Ratio	Lower	Upper
57	100		
41	86.4	69.4	104.2
43	76.0	176.7	265.1#
56	48.9	41.4	62.0

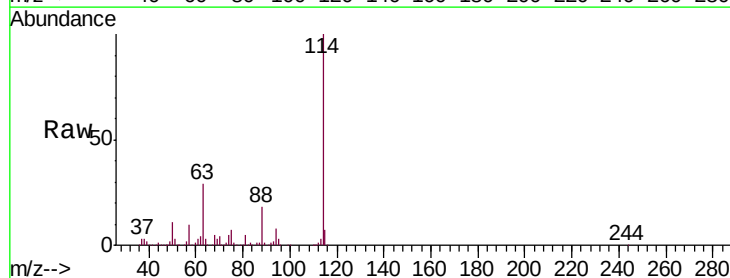


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

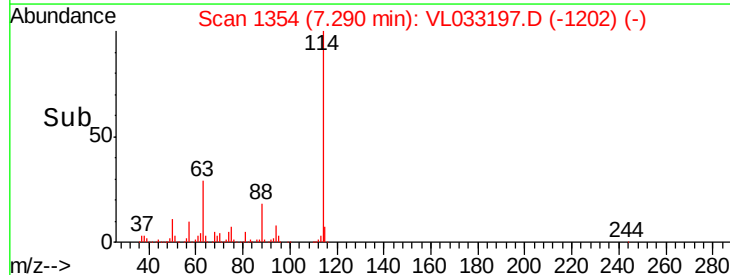
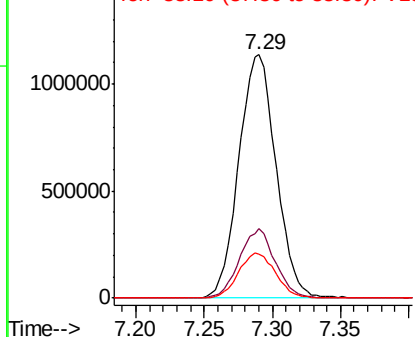


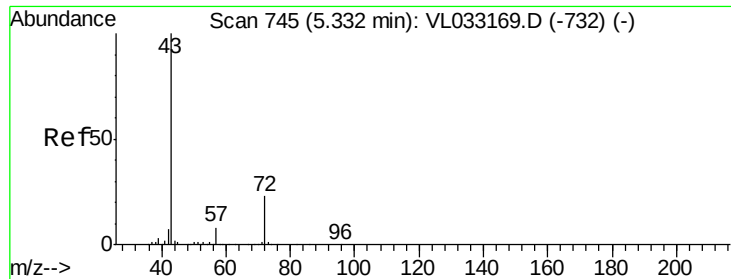
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033197.D
Acq: 13 Feb 2019 21:42

Tgt Ion:	114	Resp:	2153554
Ion	Ratio	Lower	Upper
114	100		
63	27.4	20.8	31.2
88	18.6	14.6	22.0



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

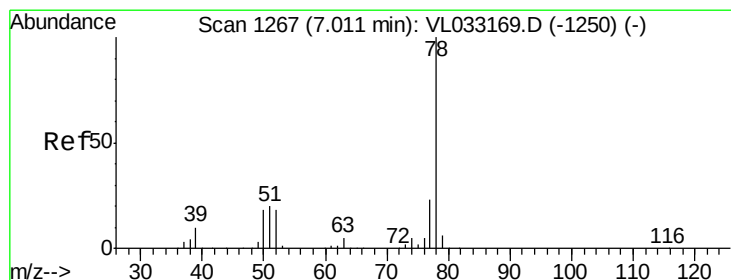
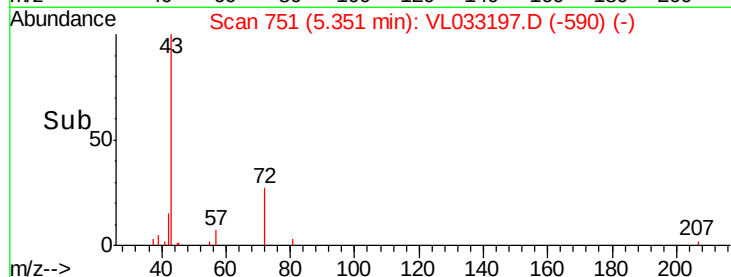
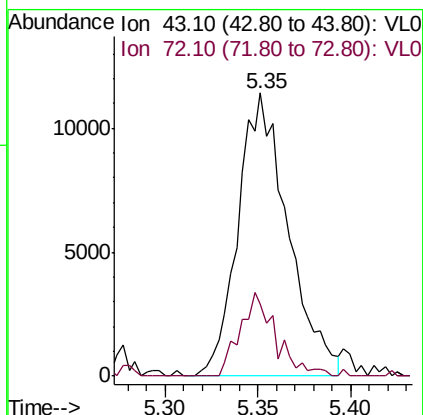
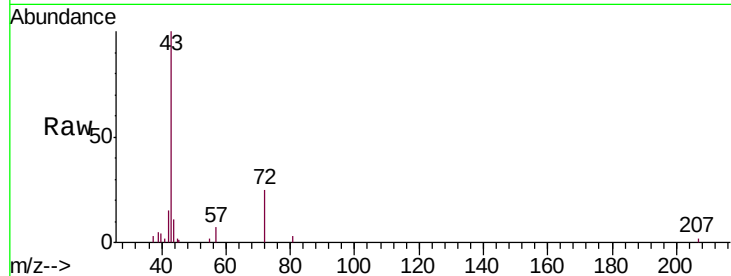




#34
 2-Butanone
 Concen: 0.157 ppbv
 RT: 5.35 min Scan# 751
 Delta R.T. 0.02 min
 Lab File: VL033197.D
 Acq: 13 Feb 2019 21:42

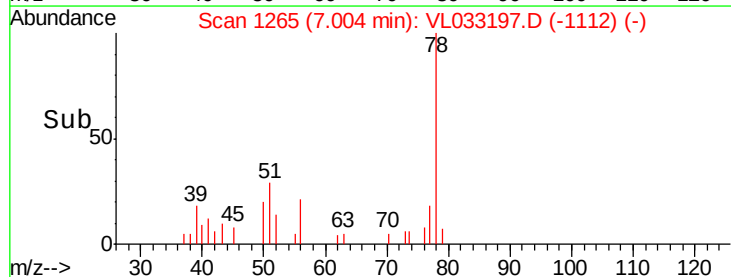
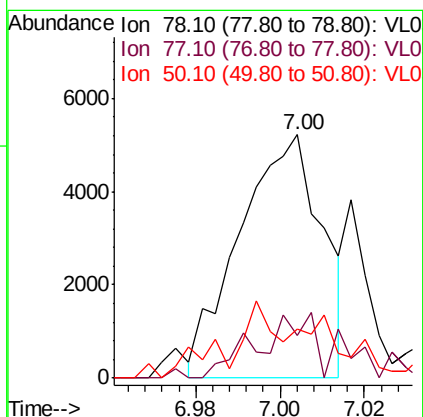
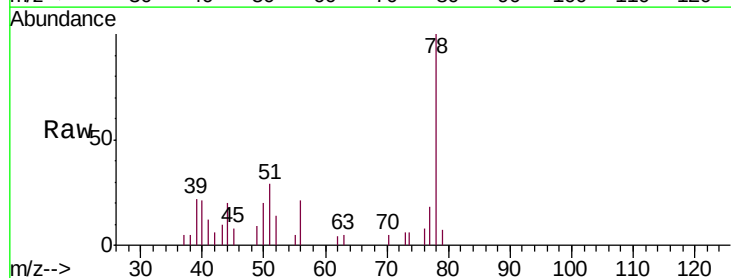
Instrument :
 MSVOA_L
 ClientSampleId :
 AB-SSDL2

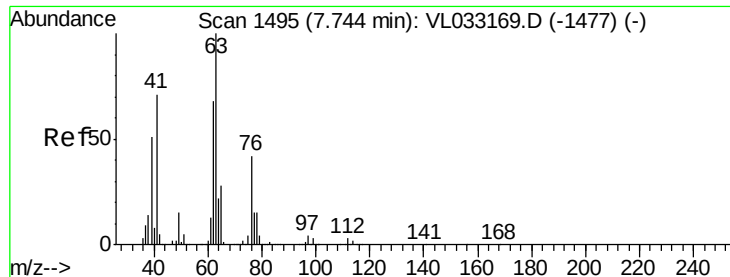
Tgt Ion: 43 Resp: 21389
 Ion Ratio Lower Upper
 43 100
 72 21.5 17.8 26.6



#36
 Benzene
 Concen: 0.033 ppbv
 RT: 7.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VL033197.D
 Acq: 13 Feb 2019 21:42

Tgt Ion: 78 Resp: 7100
 Ion Ratio Lower Upper
 78 100
 77 18.8 18.0 27.0
 50 10.6 14.2 21.2#





#39

1,2-Dichloropropane

Concen: 6.826 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.45 min

Lab File: VL033197.D

Acq: 13 Feb 2019 21:42

Instrument :

MSVOA_L

ClientSampleId :

AB-SSDL2

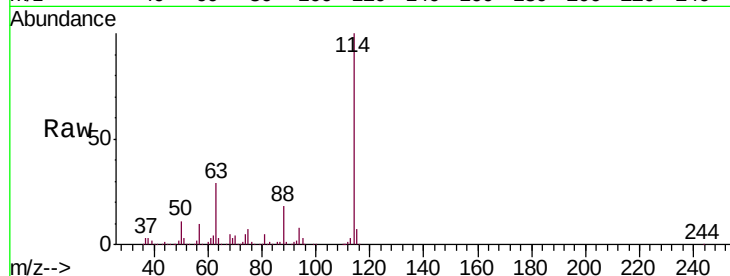
Tgt Ion: 63 Resp: 588349

Ion Ratio Lower Upper

63 100

41 0.1 56.4 84.6#

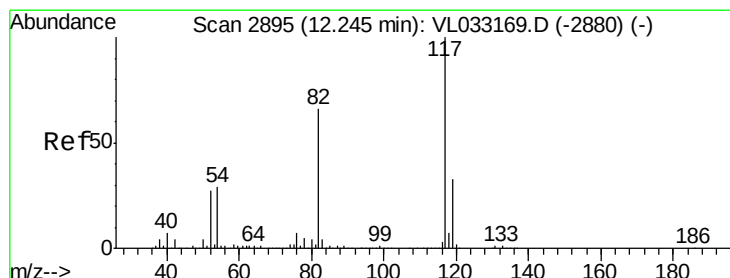
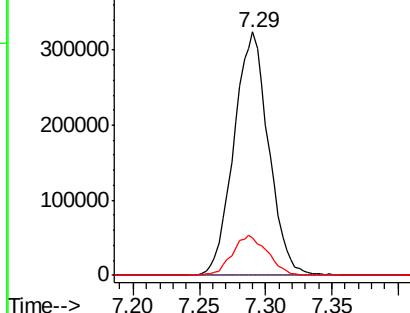
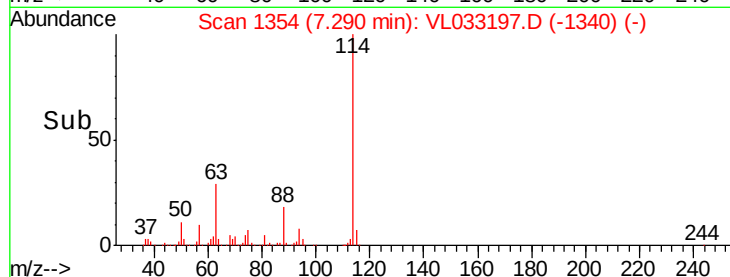
62 15.7 54.2 81.4#



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL033197.D

Acq: 13 Feb 2019 21:42

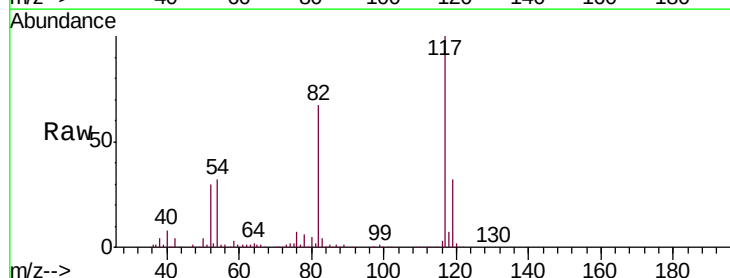
Tgt Ion: 117 Resp: 2154640

Ion Ratio Lower Upper

117 100

82 67.6 49.5 74.3

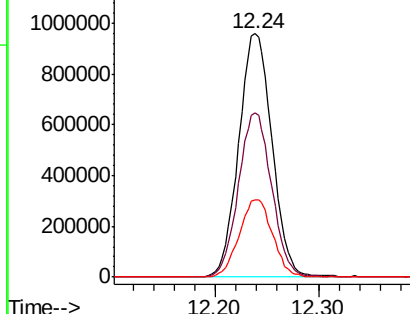
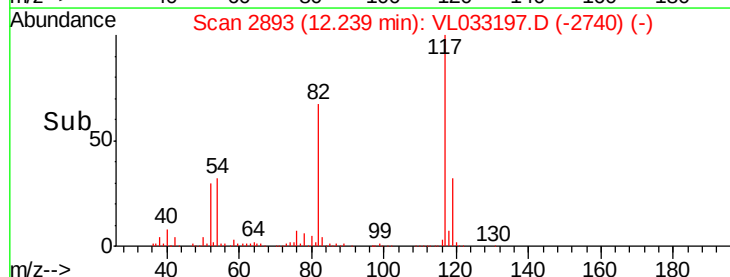
119 32.0 24.4 36.6

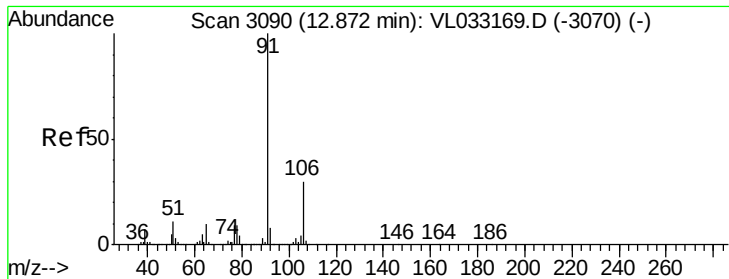


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.037 ppbv

RT: 13.11 min Scan# 3165

Delta R.T. 0.24 min

Lab File: VL033197.D

Acq: 13 Feb 2019 21:42

Instrument :

MSVOA_L

ClientSampleId :

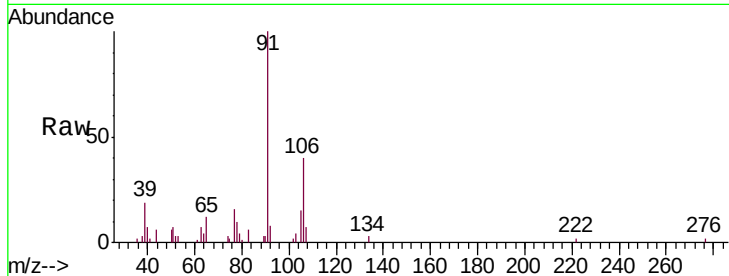
AB-SSDL2

Tgt Ion: 91 Resp: 12995

Ion Ratio Lower Upper

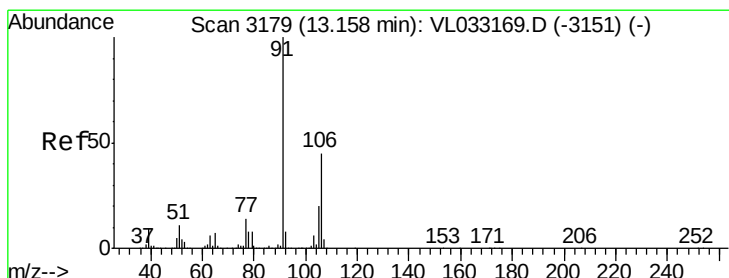
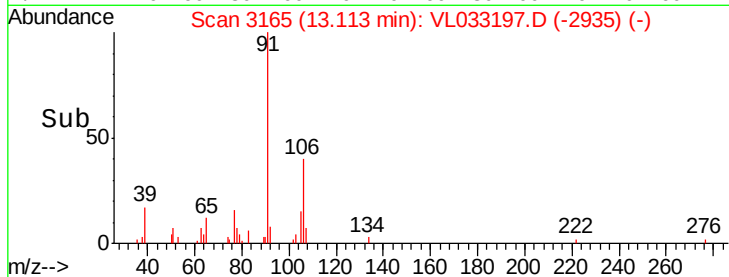
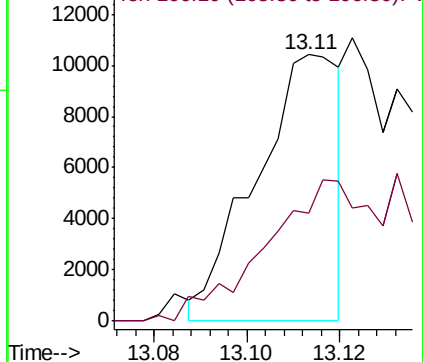
91 100

106 33.9 23.8 35.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.047 ppbv

RT: 13.13 min Scan# 3171

Delta R.T. -0.03 min

Lab File: VL033197.D

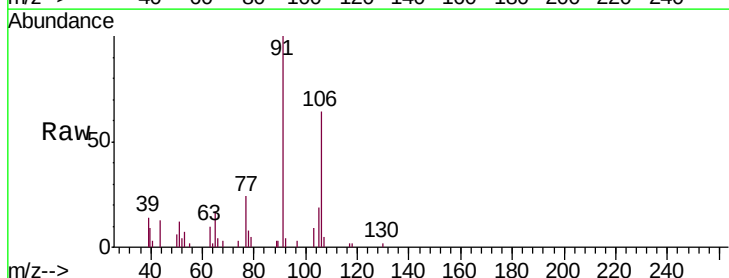
Acq: 13 Feb 2019 21:42

Tgt Ion: 91 Resp: 13656

Ion Ratio Lower Upper

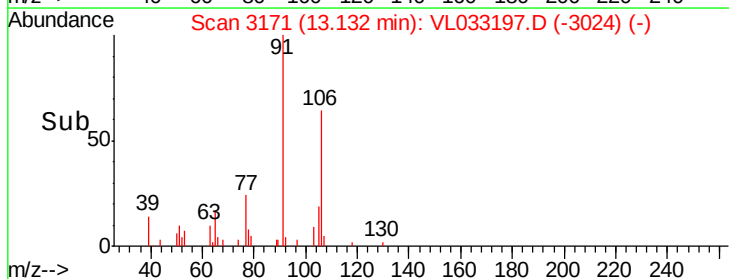
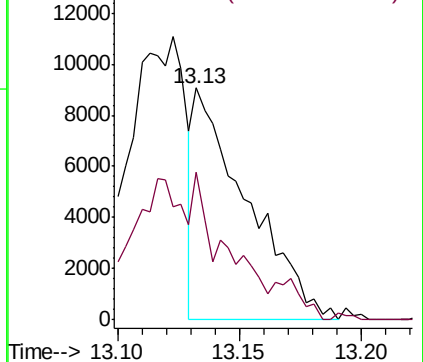
91 100

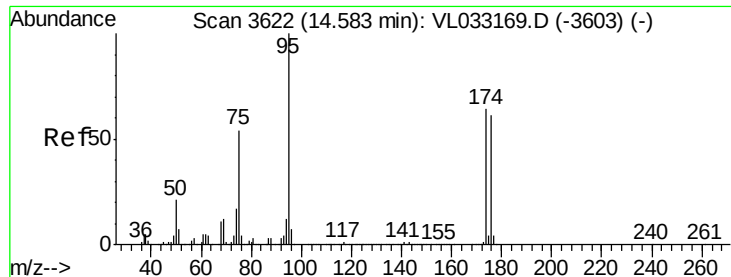
106 113.0 0.0 0.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.299 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL033197.D
 Acq: 13 Feb 2019 21:42

Instrument :
 MSVOA_L
 ClientSampleId :
 AB-SSDL2

Tgt Ion: 95 Resp: 1708941
 Ion Ratio Lower Upper
 95 100
 174 63.1 51.2 76.8
 175 4.5 3.8 5.6

