

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
 Data File : VL033997.D
 Acq On : 2 Jul 2019 22:37
 Operator : SY/AP
 Sample : VL0702ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0702ABL01

Quant Time: Jul 03 04:33:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1123262	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2935087	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	2926822	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	2333051	9.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.50%

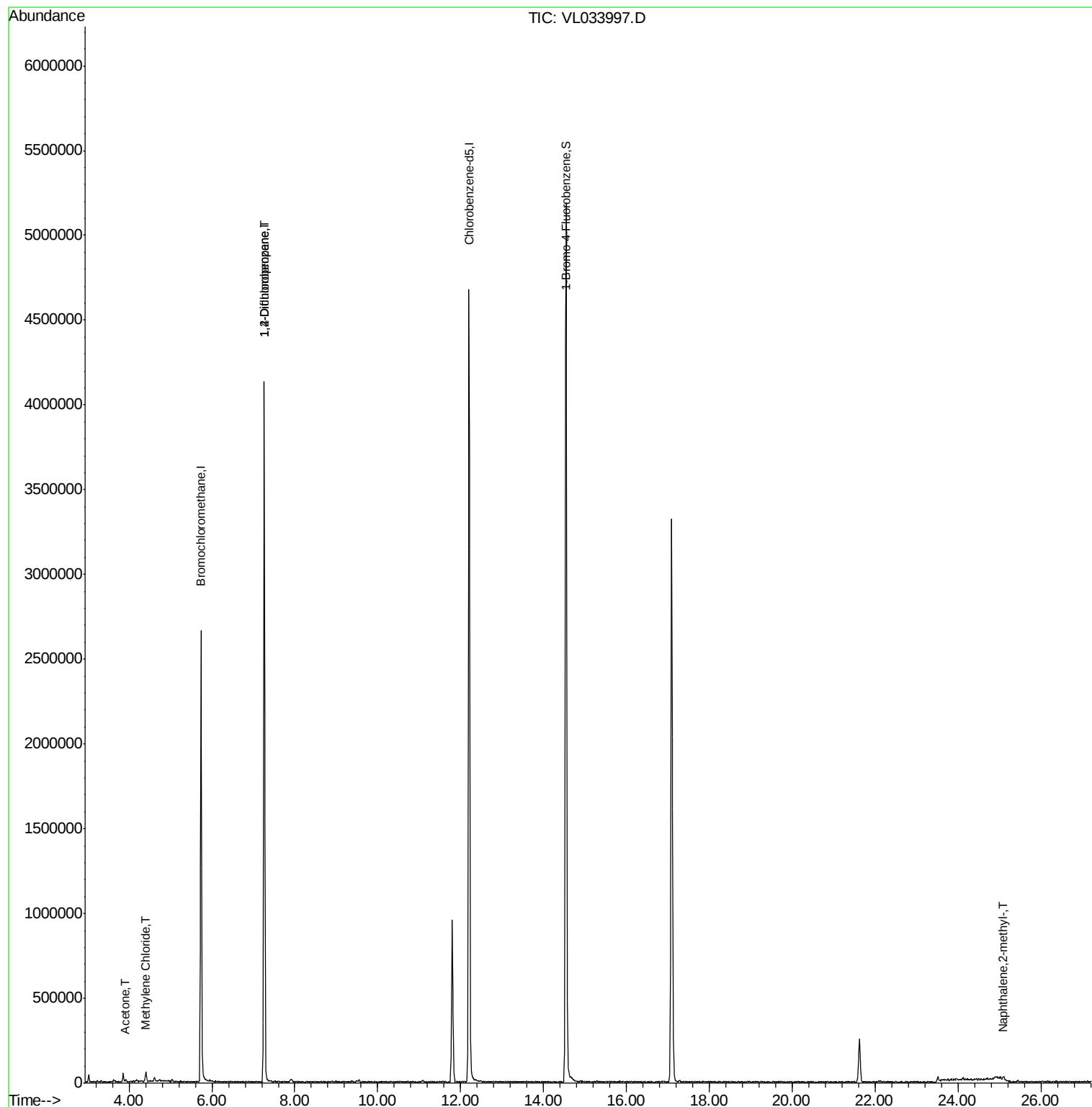
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.91	43	6112	0.032	ppbv #	11
20) Methylene Chloride	4.39	84	4988	0.061	ppbv #	72
39) 1,2-Dichloropropane	7.26	63	727776	8.522	ppbv #	23
80) Naphthalene,2-methyl-	25.10	142	7829	0.061	ppbv	89

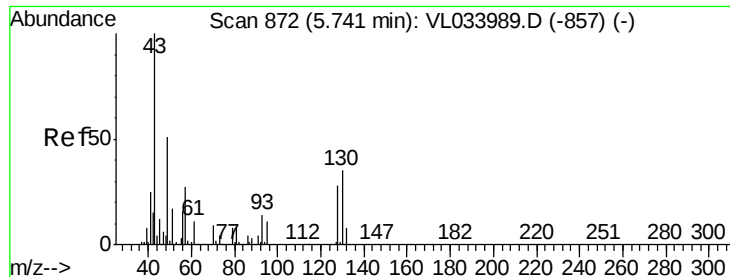
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 870

Delta R.T. -0.01 min

Lab File: VL033997.D

Acq: 2 Jul 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

VL0702ABL01

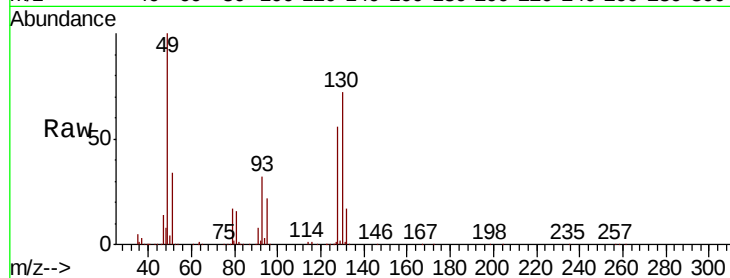
Tot Ion: 49 Resp: 1123262

Ion Ratio Lower Upper

49 100

128 56.8 27.9 83.6

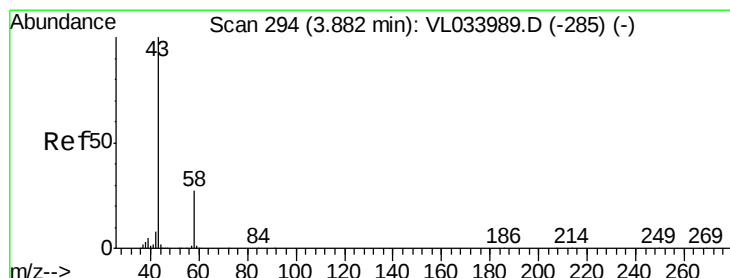
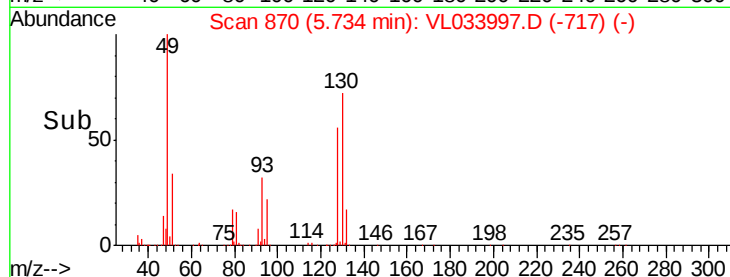
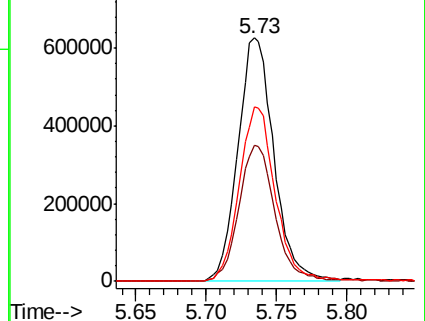
130 72.4 35.8 107.4



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



#15

Acetone

Concen: 0.032 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.03 min

Lab File: VL033997.D

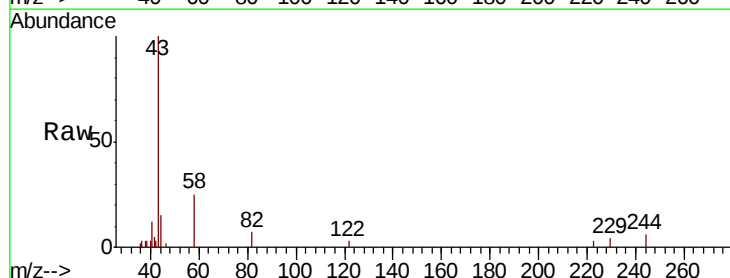
Acq: 2 Jul 2019 22:37

Tgt Ion: 43 Resp: 6112

Ion Ratio Lower Upper

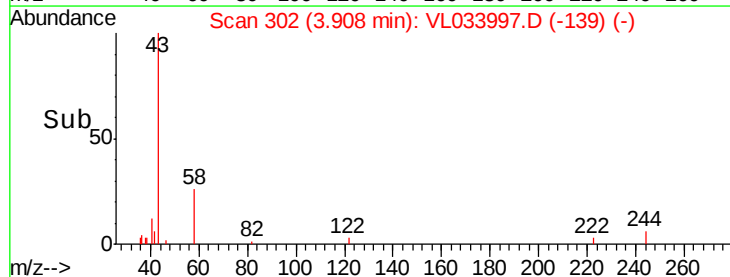
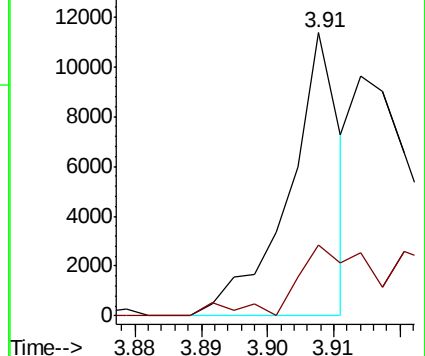
43 100

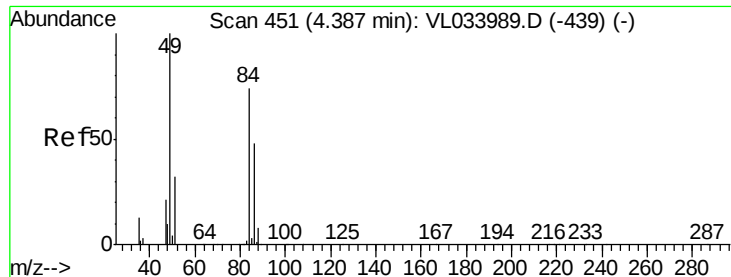
58 72.7 21.4 32.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.061 ppbv

RT: 4.39 min Scan# 453

Delta R.T. 0.01 min

Lab File: VL033997.D

Acq: 2 Jul 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

VL0702ABL01

Tot Ion: 84 Resp: 4988

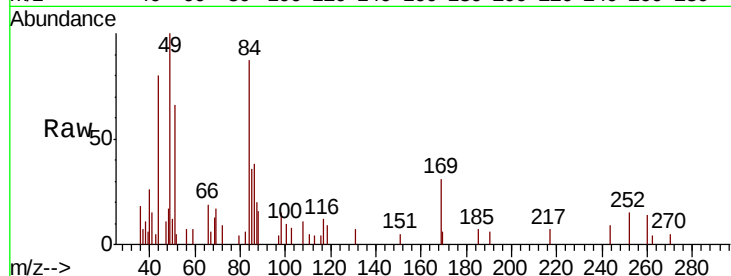
Ion Ratio Lower Upper

84 100

49 109.3 107.6 161.4

51 76.2 35.0 52.6#

86 44.0 52.1 78.1#

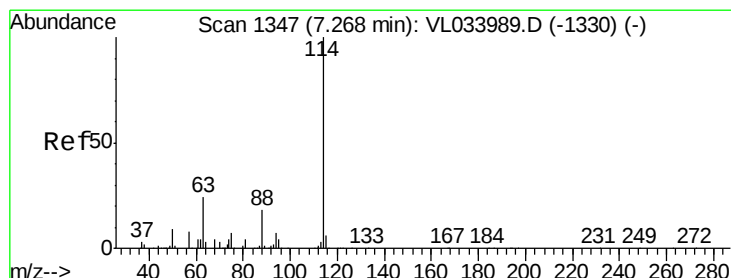
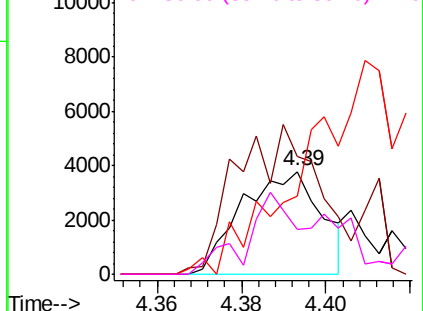
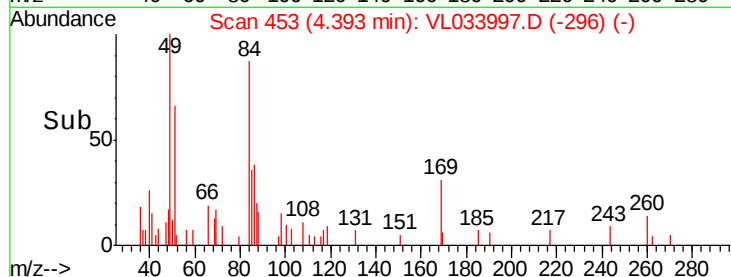


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 7.26 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VL033997.D

Acq: 2 Jul 2019 22:37

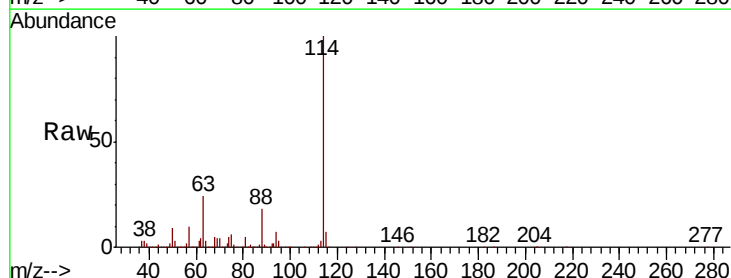
Tgt Ion: 114 Resp: 2935087

Ion Ratio Lower Upper

114 100

63 25.0 20.2 30.2

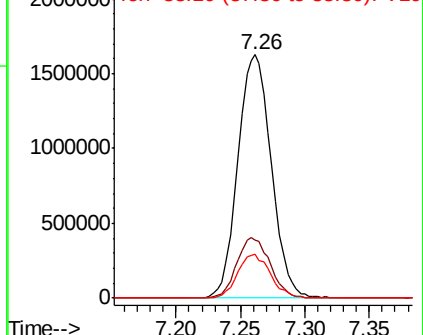
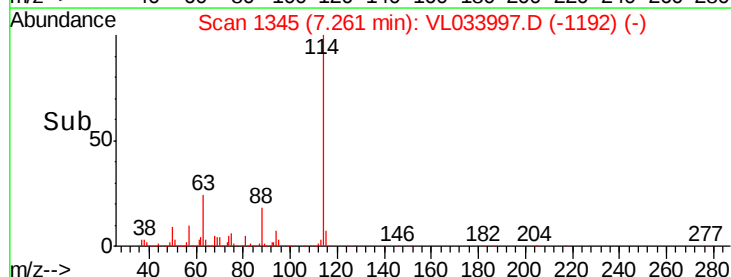
88 17.6 14.1 21.1

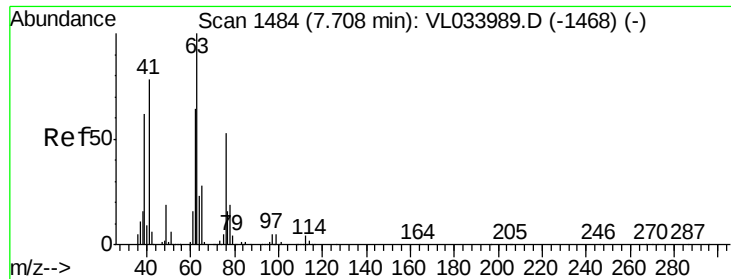


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 8.522 ppbv

RT: 7.26 min Scan# 1344

Delta R.T. -0.45 min

Lab File: VL033997.D

Acq: 2 Jul 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

VL0702ABL01

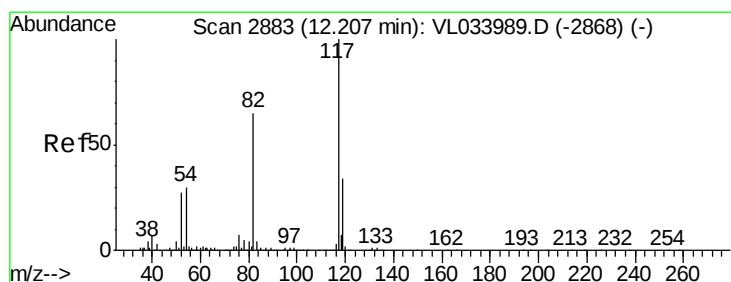
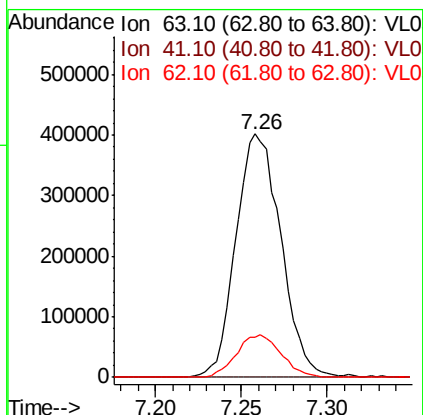
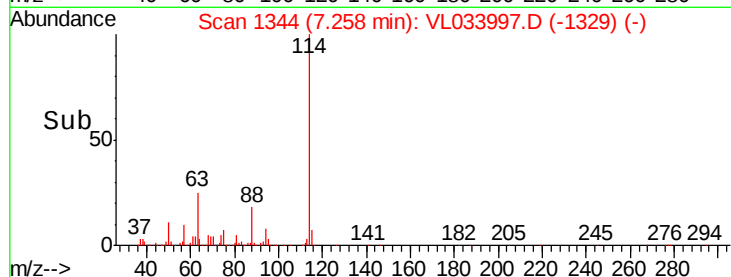
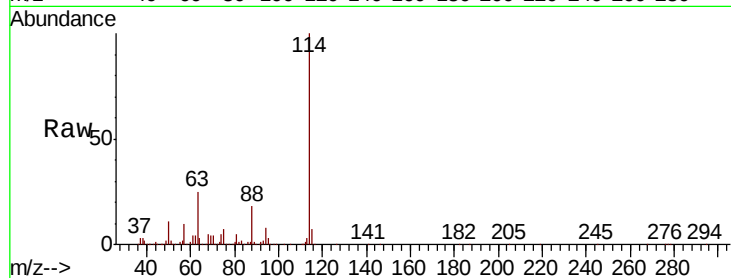
Tot Ion: 63 Resp: 727776

Ion Ratio Lower Upper

63 100

41 0.1 62.3 93.5#

62 16.5 51.4 77.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.20 min Scan# 2881

Delta R.T. -0.01 min

Lab File: VL033997.D

Acq: 2 Jul 2019 22:37

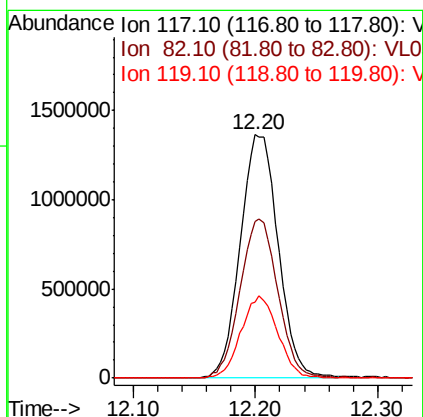
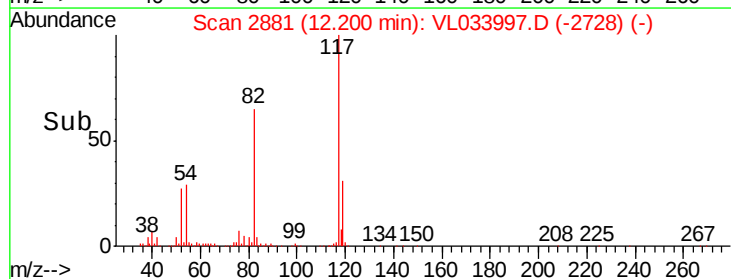
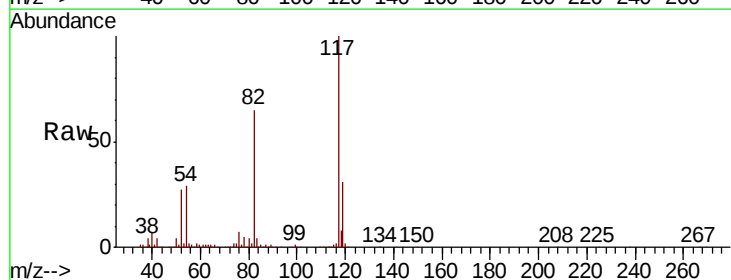
Tgt Ion: 117 Resp: 2926822

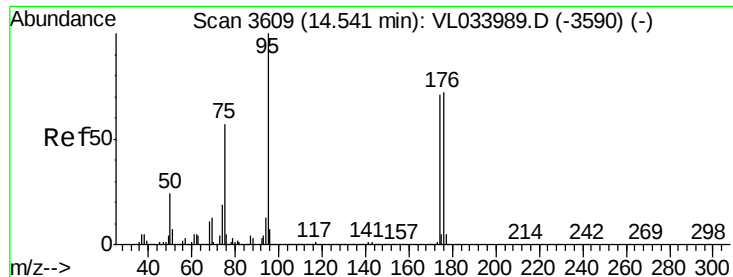
Ion Ratio Lower Upper

117 100

82 65.5 50.8 76.2

119 32.9 24.0 36.0

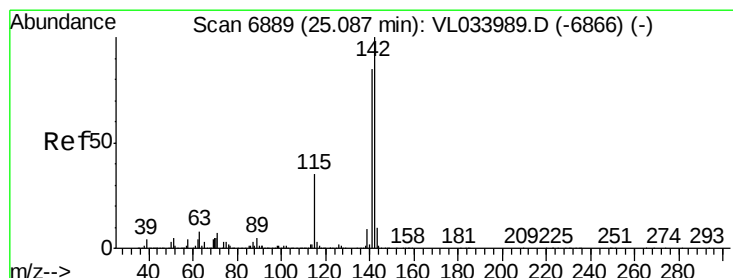
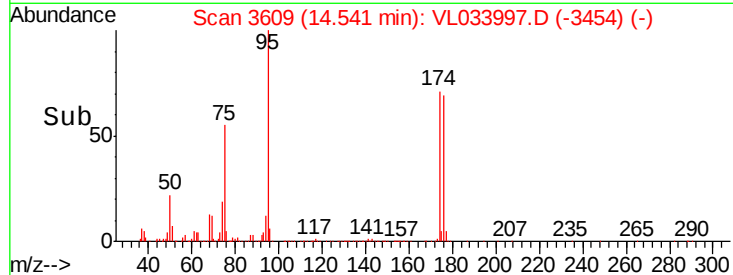
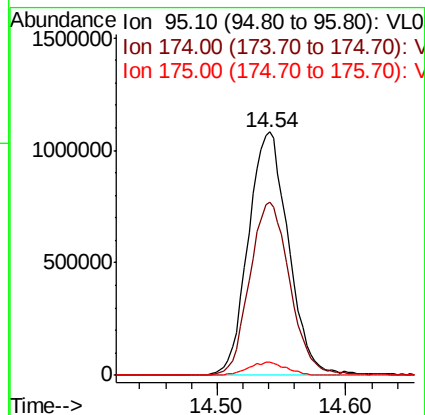
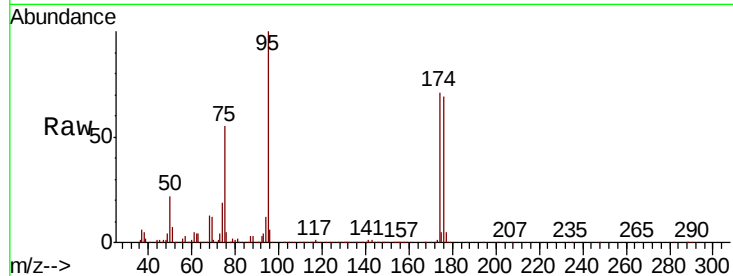




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.346 ppbv
 RT: 14.54 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL033997.D
 Acq: 2 Jul 2019 22:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0702ABL01

Tot Ion: 95 Resp: 2333051
 Ion Ratio Lower Upper
 95 100
 174 72.1 60.5 90.7
 175 5.2 4.0 6.0



#80
 Naphthalene, 2-methyl-
 Concen: 0.061 ppbv
 RT: 25.10 min Scan# 6892
 Delta R.T. 0.01 min
 Lab File: VL033997.D
 Acq: 2 Jul 2019 22:37

Tgt Ion: 142 Resp: 7829
 Ion Ratio Lower Upper
 142 100
 141 95.6 68.2 102.2
 115 42.8 29.9 44.9

