

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032719\
 Data File : VL033465.D
 Acq On : 27 Mar 2019 12:50
 Operator : SY/AP
 Sample : VL0327ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 28 07:26:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	795264	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1823790	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1838818	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1446595	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

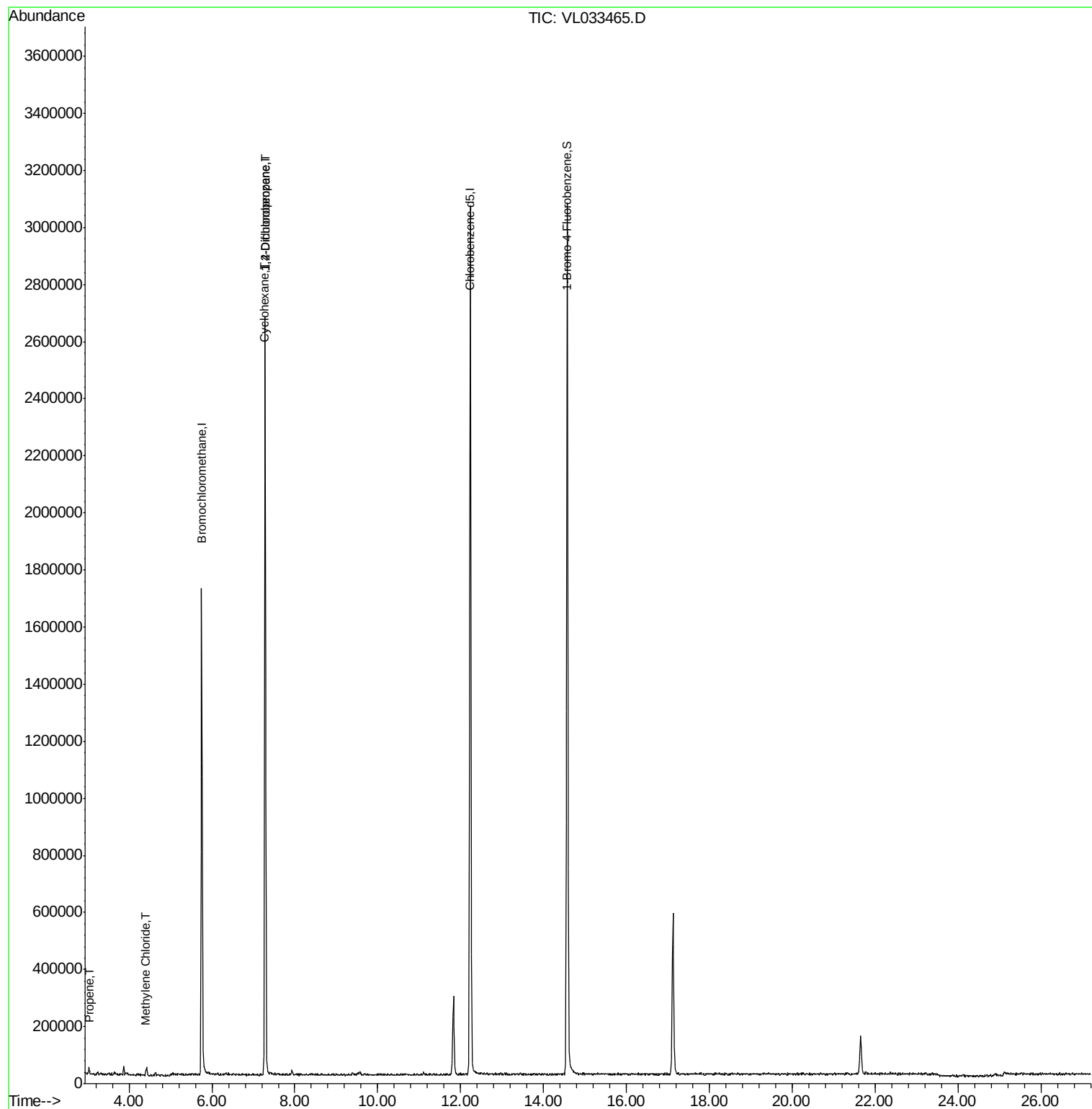
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	996	0.026	ppbv	100
20) Methylene Chloride	4.40	84	1196	0.029	ppbv #	66
30) Cyclohexane	7.27	84	3272	0.052	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	487632	8.135	ppbv #	24

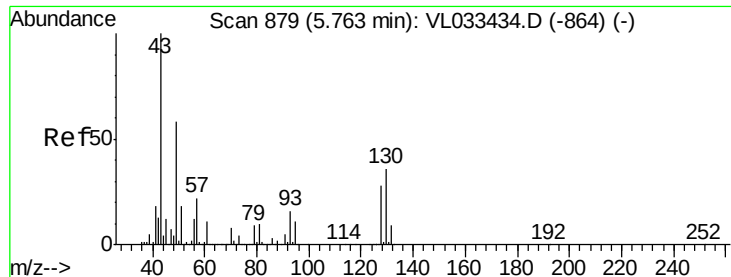
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033465.D

Acq: 27 Mar 2019 12:50

Instrument :

MSVOA_L

ClientSampled :

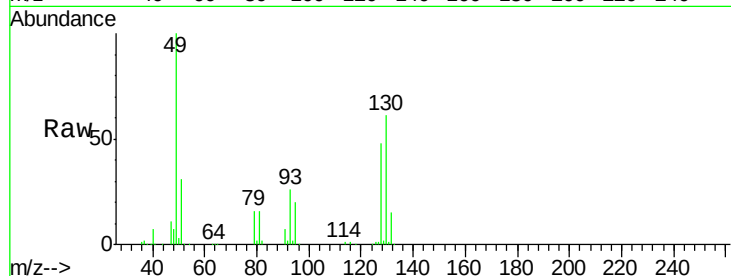
Tot Ion: 49 Resp: 795264

Ion Ratio Lower Upper

49 100

128 48.8 24.0 72.0

130 62.7 31.2 93.6



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

5.76

400000

300000

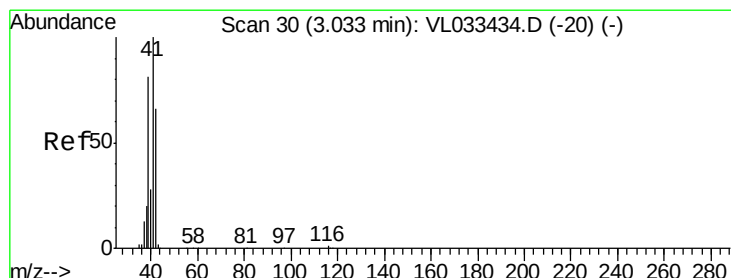
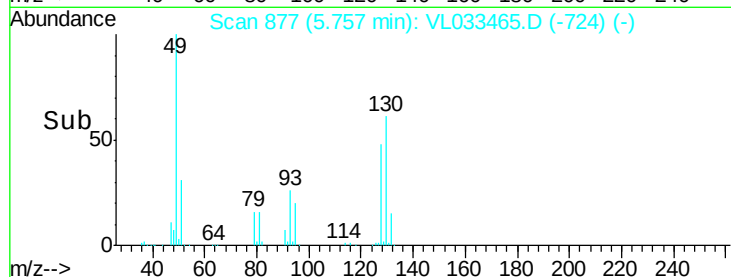
200000

100000

0

Time-->

5.70 5.75 5.80



#9

Propene

Concen: 0.026 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.01 min

Lab File: VL033465.D

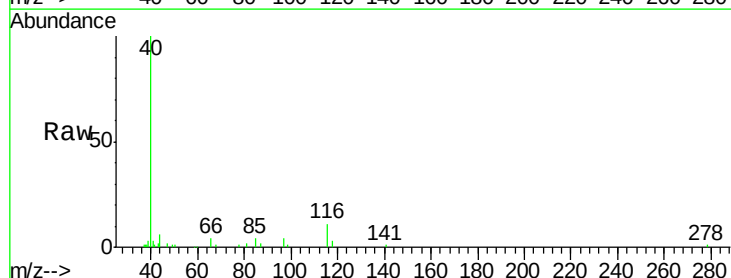
Acq: 27 Mar 2019 12:50

Tgt Ion: 41 Resp: 996

Ion Ratio Lower Upper

41 100

42 67.5 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.04

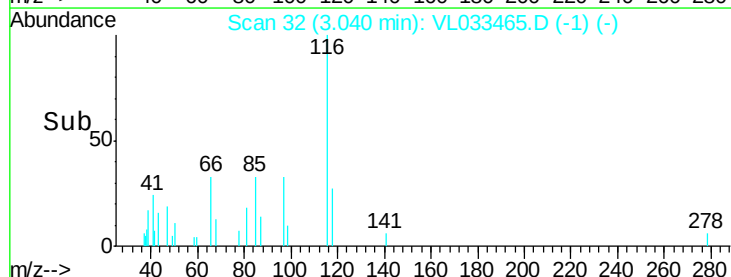
1000

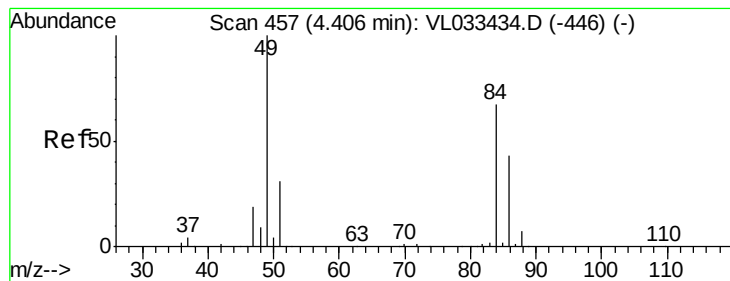
500

0

Time-->

3.02 3.03 3.04





#20

Methvlene Chloride

Concen: 0.029 ppbv

RT: 4.40 min Scan# 454

Delta R.T. -0.01 min

Lab File: VL033465.D

Acq: 27 Mar 2019 12:50

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 1196

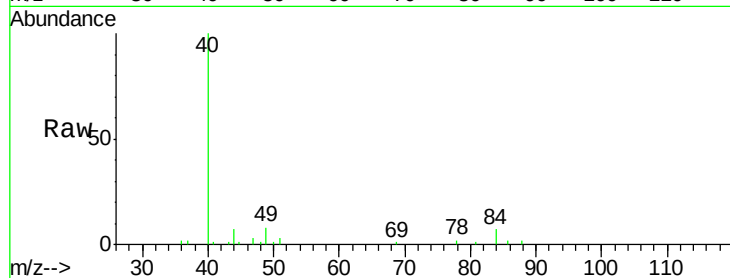
Ion Ratio Lower Upper

84 100

49 101.9 120.0 180.0#

51 45.4 36.7 55.1

86 26.2 51.9 77.9#

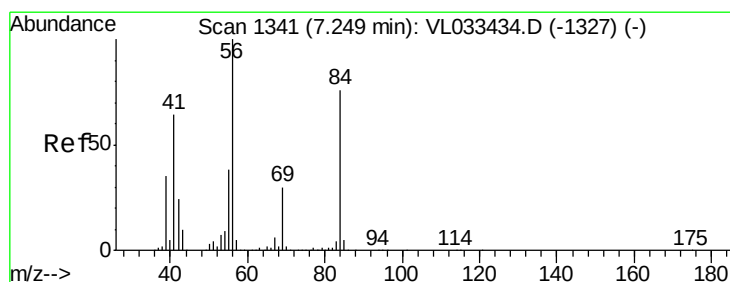
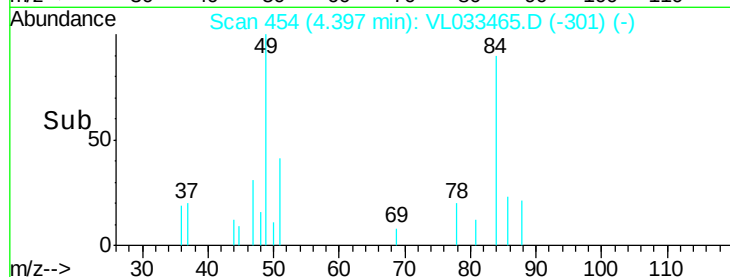
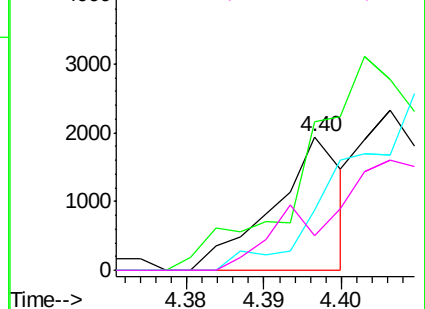


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#30

Cyclohexane

Concen: 0.052 ppbv

RT: 7.27 min Scan# 1347

Delta R.T. 0.02 min

Lab File: VL033465.D

Acq: 27 Mar 2019 12:50

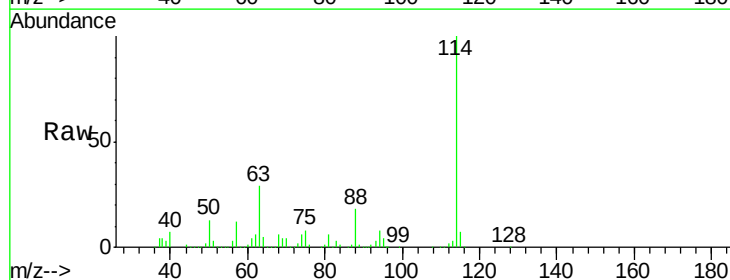
Tgt Ion: 84 Resp: 3272

Ion Ratio Lower Upper

84 100

56 0.0 109.7 164.5#

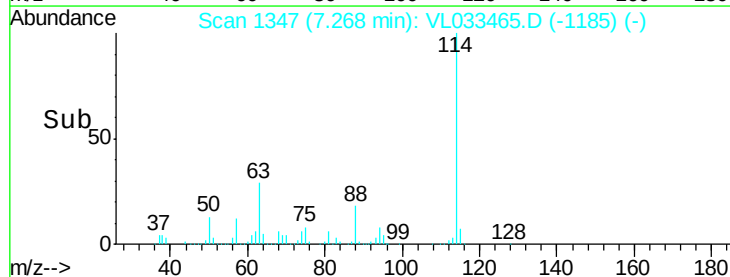
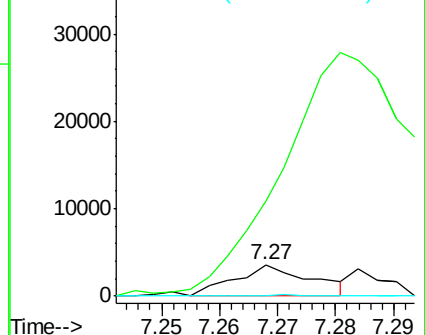
41 1.6 68.2 102.2#

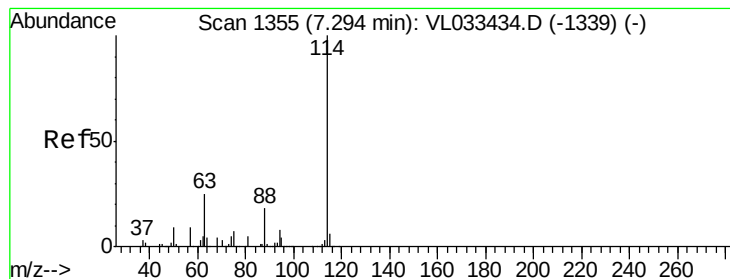


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL033465.D

Acq: 27 Mar 2019 12:50

Instrument :

MSVOA_L

ClientSampled :

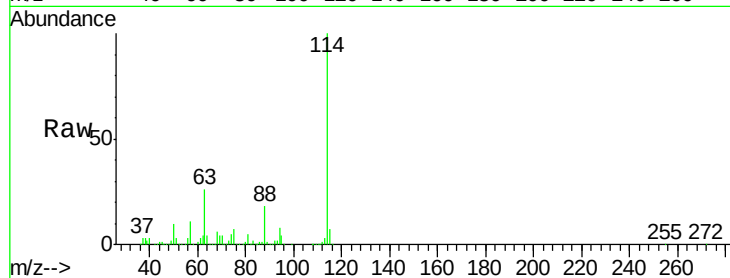
Tot Ion:114 Resp: 1823790

Ion Ratio Lower Upper

114 100

63 26.8 21.5 32.3

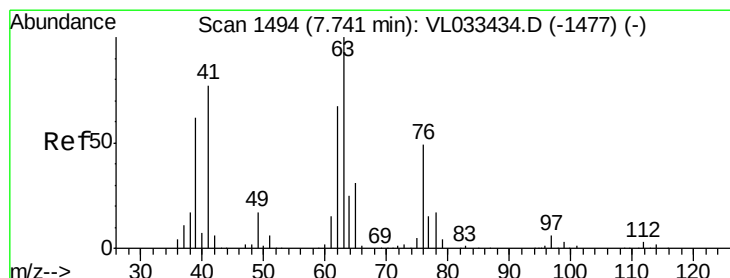
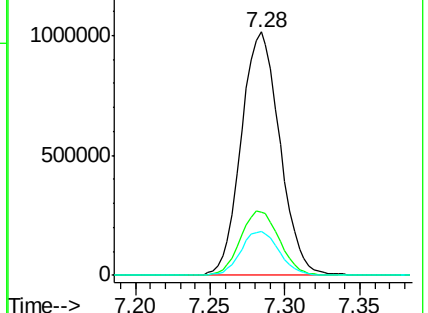
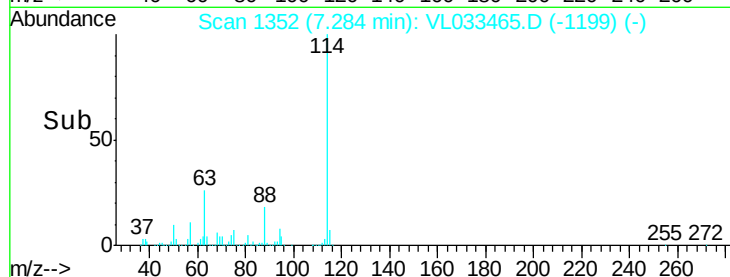
88 18.0 14.5 21.7



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: 8.135 ppbv

RT: 7.28 min Scan# 1351

Delta R.T. -0.46 min

Lab File: VL033465.D

Acq: 27 Mar 2019 12:50

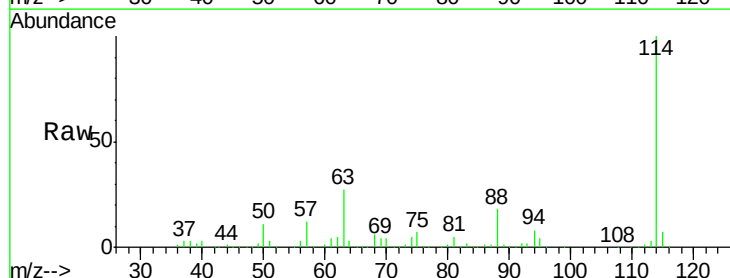
Tgt Ion: 63 Resp: 487632

Ion Ratio Lower Upper

63 100

41 0.0 61.2 91.8#

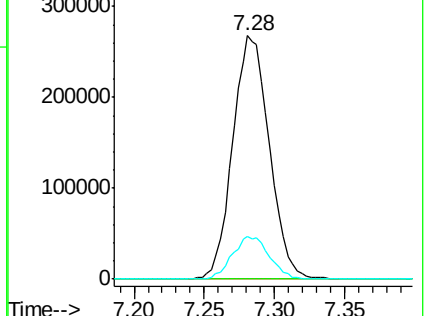
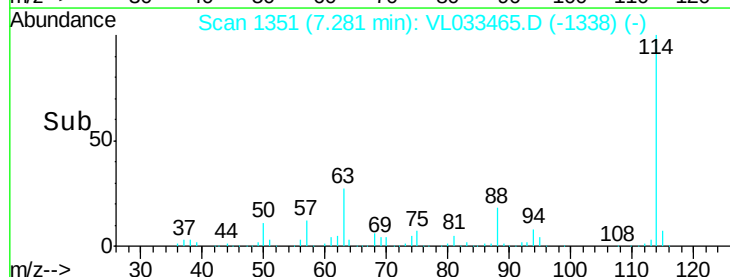
62 17.7 54.0 81.0#

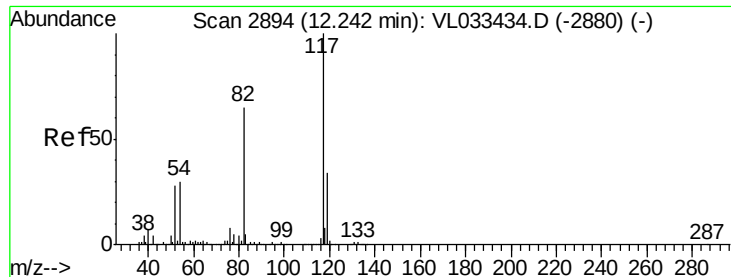


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

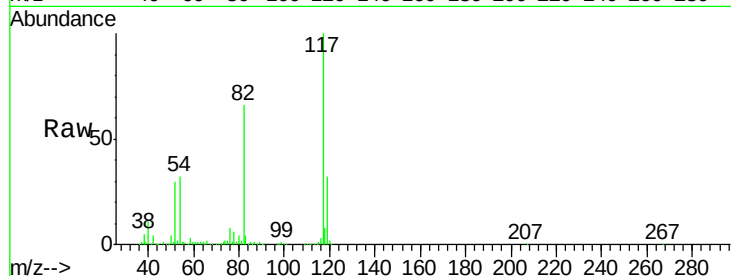




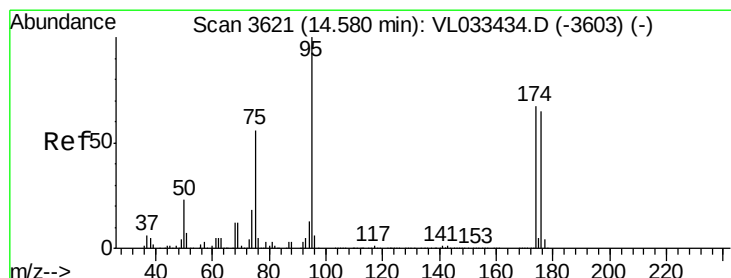
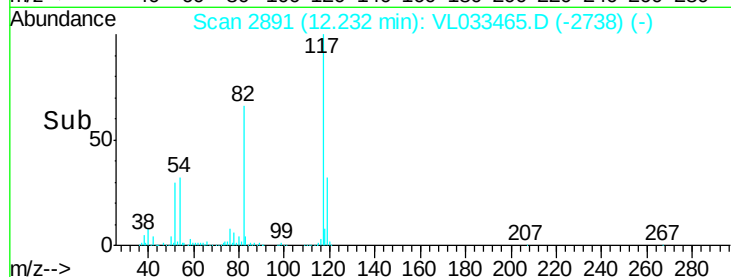
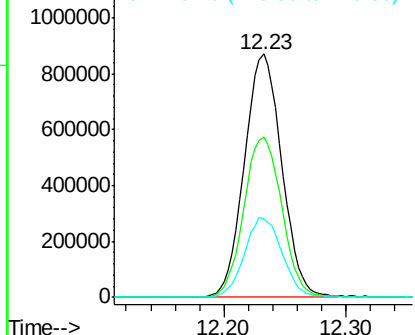
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033465.D
Acq: 27 Mar 2019 12:50

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 1838818
Ion Ratio Lower Upper
117 100
82 67.5 51.5 77.3
119 33.1 25.5 38.3

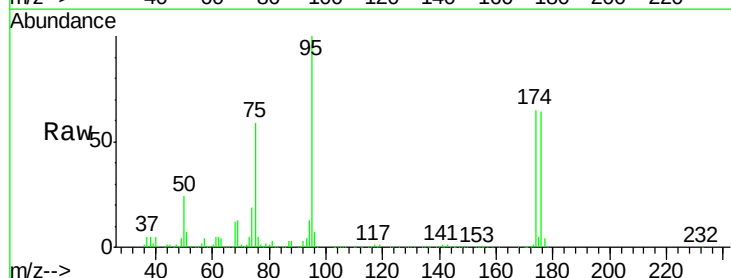


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.035 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033465.D
Acq: 27 Mar 2019 12:50

Tgt Ion: 95 Resp: 1446595
Ion Ratio Lower Upper
95 100
174 66.2 52.9 79.3
175 4.8 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): V
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

