

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
 Data File : VL035200.D
 Acq On : 16 Jul 2020 19:07
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Jul 17 04:10:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1026207	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2478779	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2317680	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1942056	10.31	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

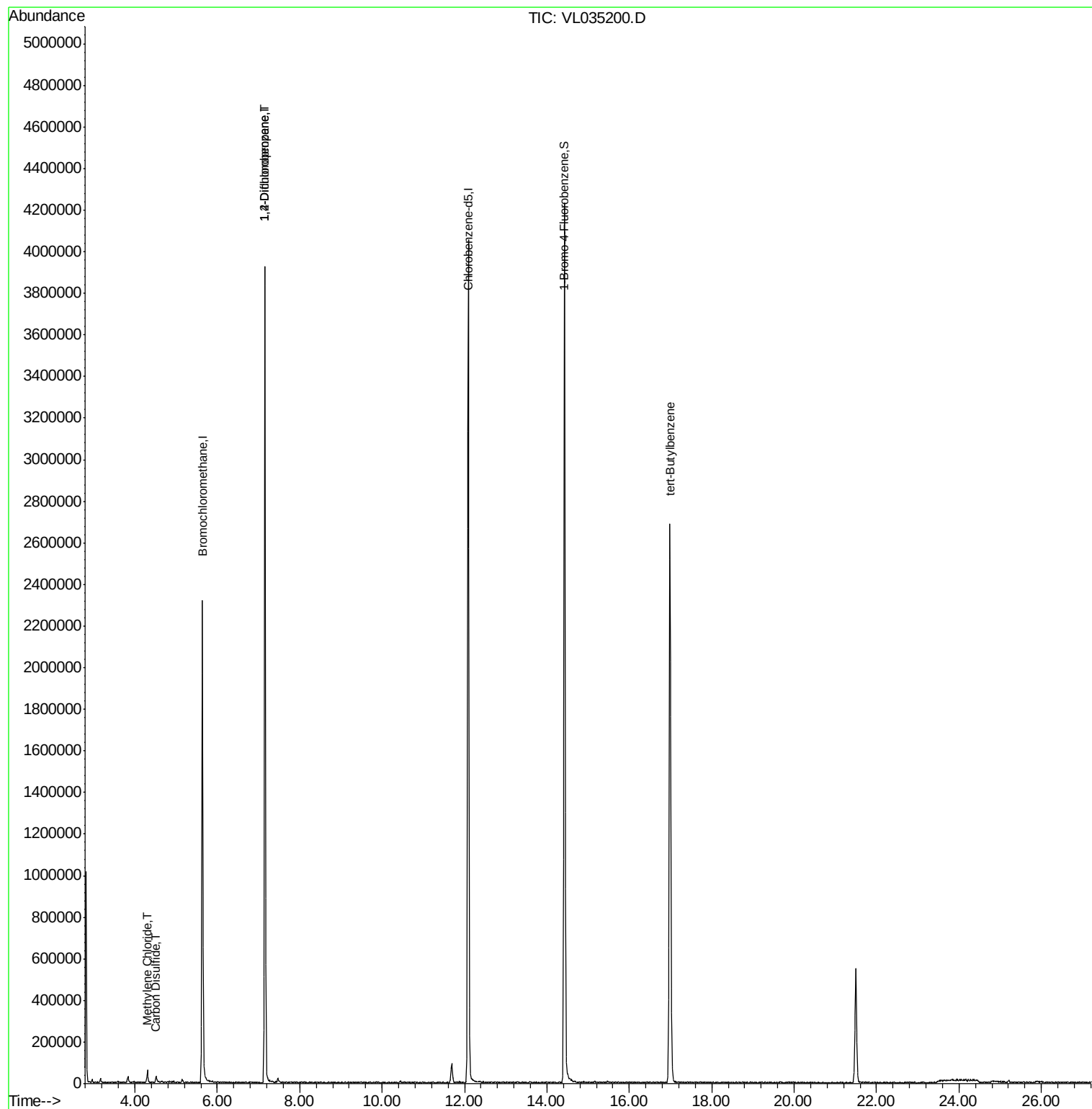
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.30	84	19110	0.316	ppbv #	90
27) Carbon Disulfide	4.51	76	30200	0.228	ppbv #	53
39) 1,2-Dichloropropane	7.15	63	693633	9.722	ppbv #	23
65) tert-Butylbenzene	16.97	119	13239	0.044	ppbv #	18

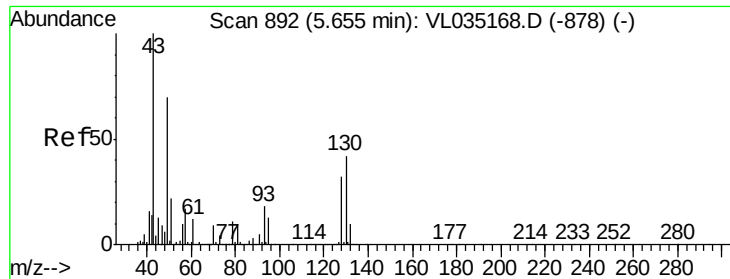
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL035200.D

Acq: 16 Jul 2020 19:07

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

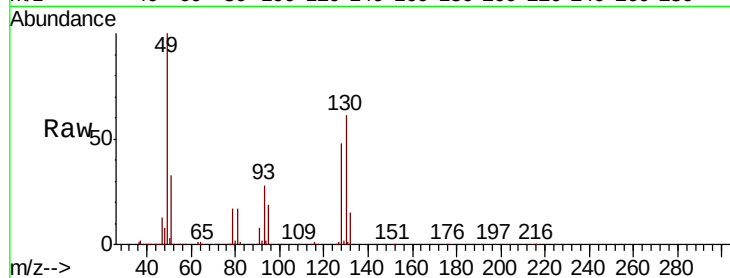
Tot Ion: 49 Resp: 1026207

Ion Ratio Lower Upper

49 100

128 49.0 23.8 71.4

130 62.9 29.9 89.8



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

5.64

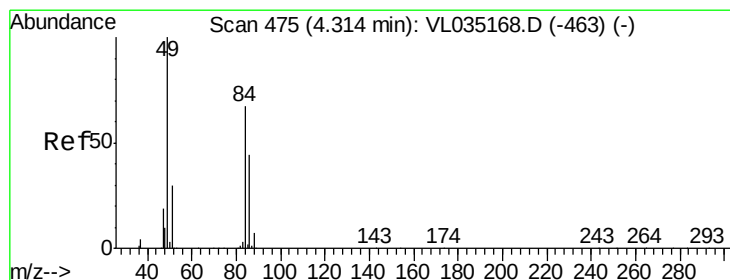
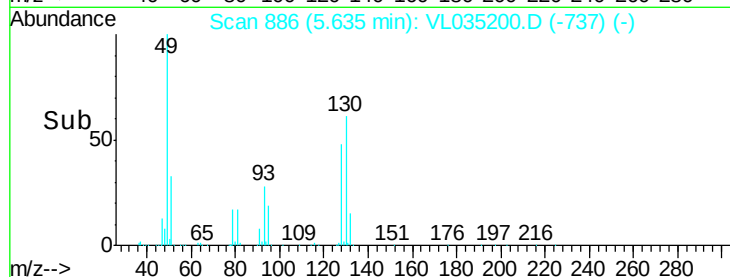
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 0.316 ppbv

RT: 4.30 min Scan# 471

Delta R.T. -0.01 min

Lab File: VL035200.D

Acq: 16 Jul 2020 19:07

Tgt Ion: 84 Resp: 19110

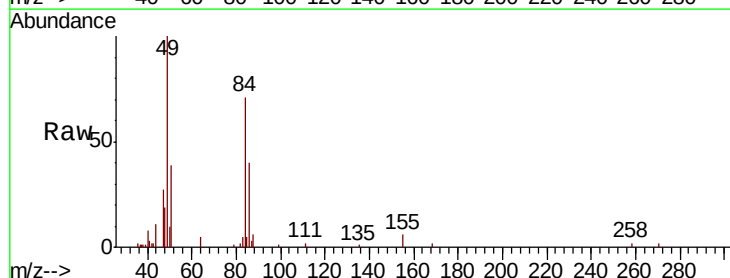
Ion Ratio Lower Upper

84 100

49 141.2 119.4 179.0

51 55.7 36.6 55.0#

86 54.3 52.5 78.7



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

4.30

25000

20000

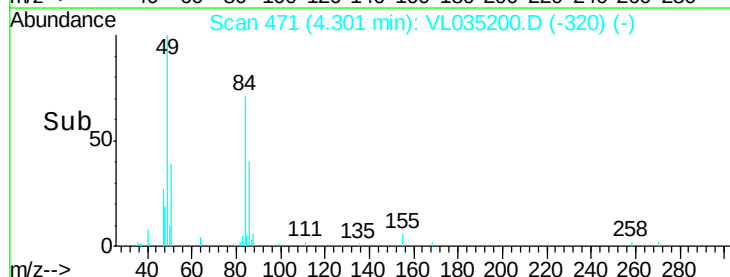
15000

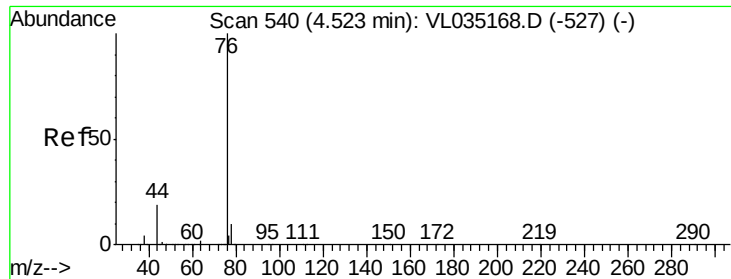
10000

5000

0

Time-->





#27

Carbon Disulfide

Concen: 0.228 ppbv

RT: 4.51 min Scan# 536

Delta R.T. -0.01 min

Lab File: VL035200.D

Acq: 16 Jul 2020 19:07

Instrument :

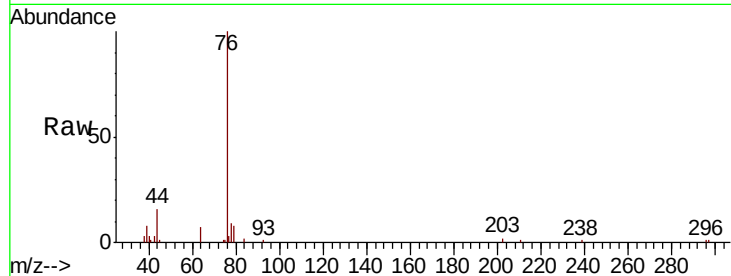
MSVOA_L

ClientSampled :

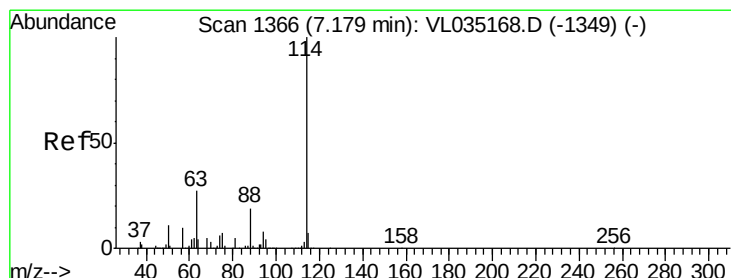
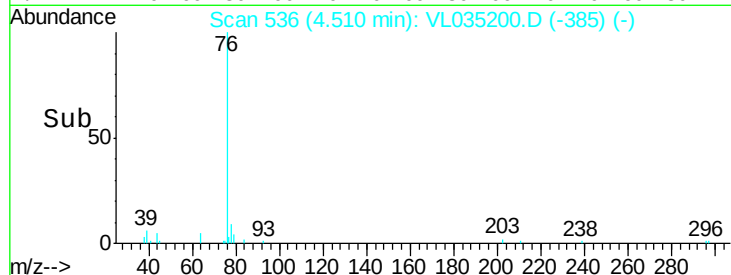
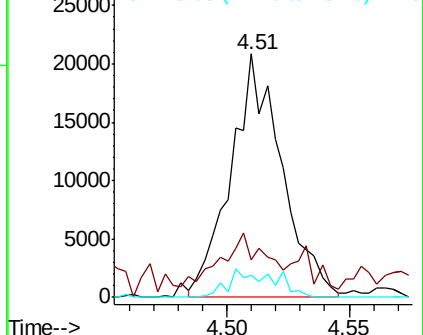
VIBLK

Tot Ion: 76 Resp: 30200

Ion	Ratio	Lower	Upper
76	100		
44	49.9	14.9	22.3#
78	10.2	7.5	11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

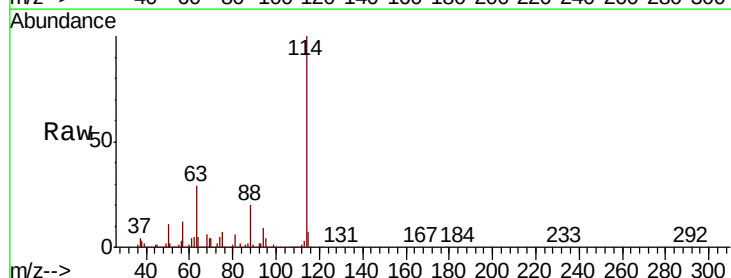
Delta R.T. -0.03 min

Lab File: VL035200.D

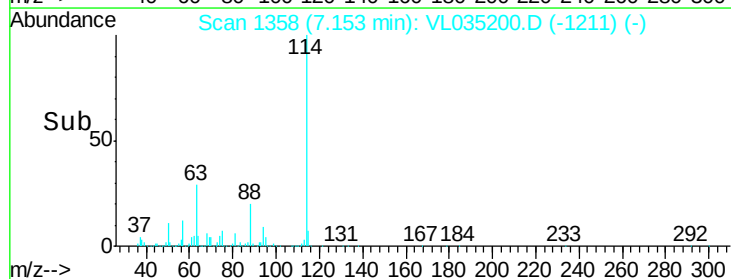
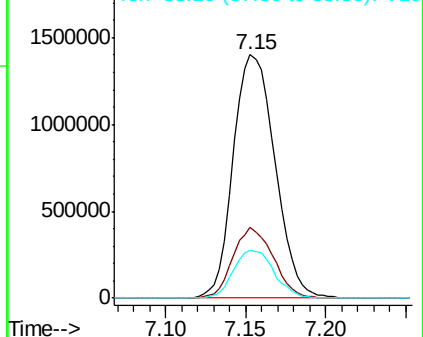
Acq: 16 Jul 2020 19:07

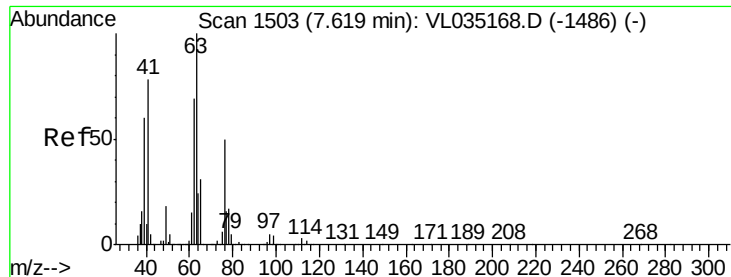
Tgt Ion: 114 Resp: 2478779

Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.0	33.0
88	19.3	15.4	23.0



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





#39

1,2-Dichloropropane

Concen: 9.722 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.47 min

Lab File: VL035200.D

Acq: 16 Jul 2020 19:07

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

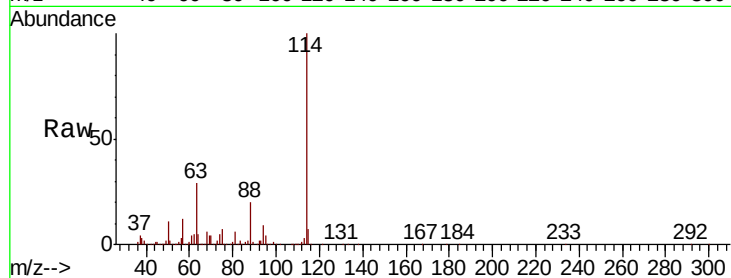
Tot Ion: 63 Resp: 693633

Ion Ratio Lower Upper

63 100

41 0.0 62.6 94.0#

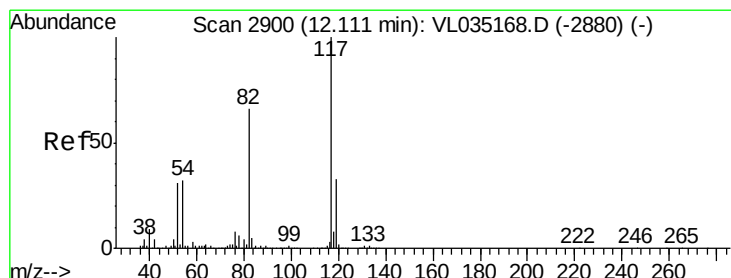
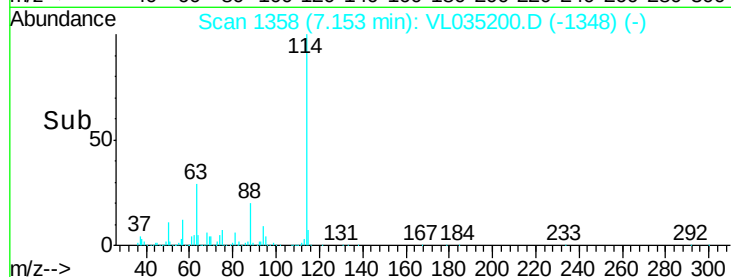
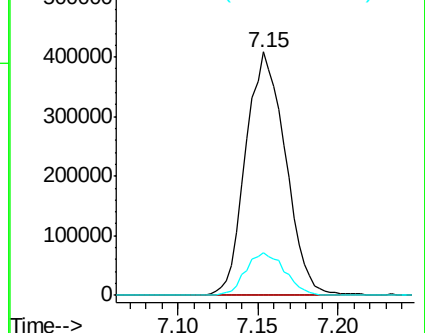
62 17.6 55.0 82.6#



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.02 min

Lab File: VL035200.D

Acq: 16 Jul 2020 19:07

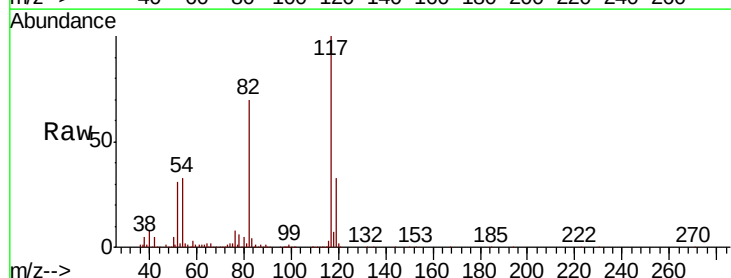
Tgt Ion: 117 Resp: 2317680

Ion Ratio Lower Upper

117 100

82 69.3 52.3 78.5

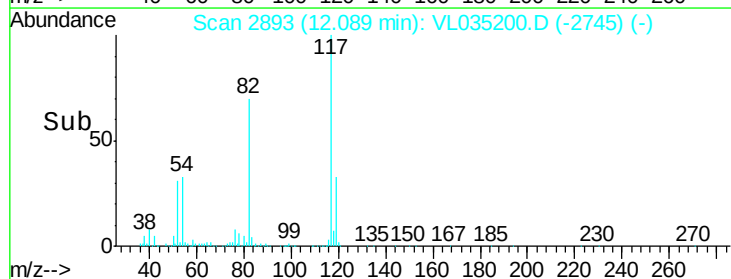
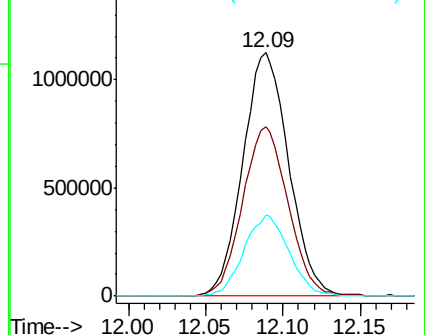
119 33.0 24.9 37.3

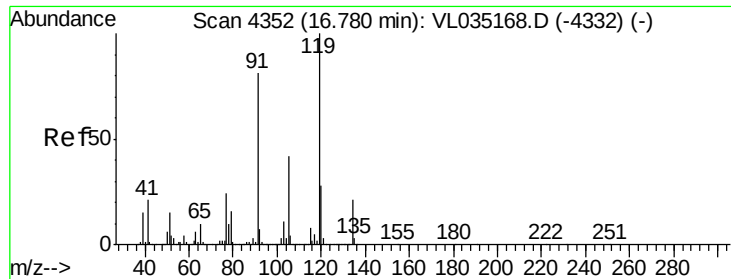


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#65

tert-Butylbenzene

Concen: 0.044 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. 0.19 min

Lab File: VL035200.D

Acq: 16 Jul 2020 19:07

Instrument :

MSVOA_L

ClientSampled :

VIBLK

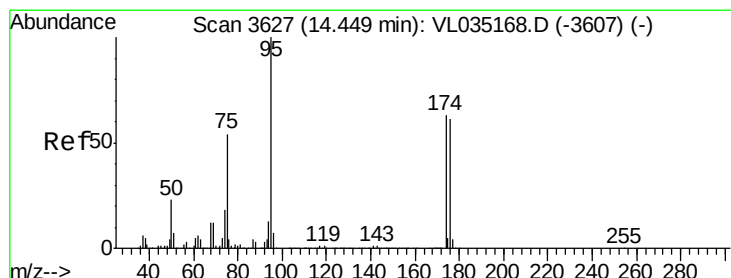
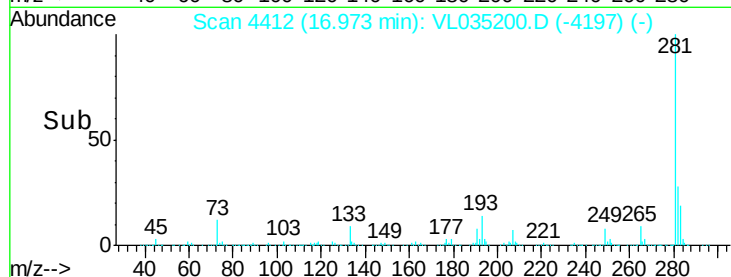
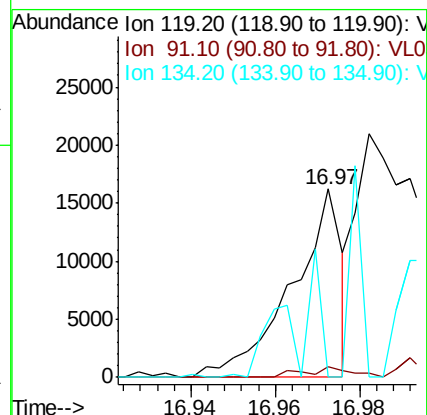
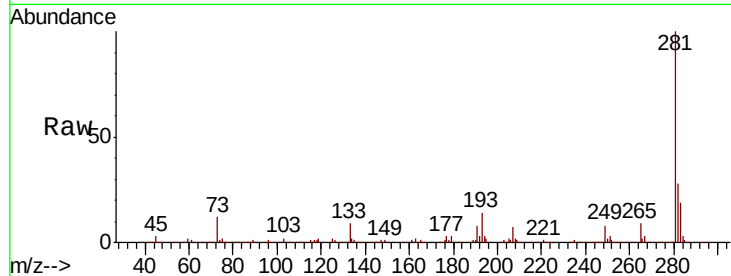
Tot Ion:119 Resp: 13239

Ion Ratio Lower Upper

119 100

91 1.4 67.5 101.3#

134 39.3 16.0 24.0#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.315 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.02 min

Lab File: VL035200.D

Acq: 16 Jul 2020 19:07

Tgt Ion: 95 Resp: 1942056

Ion Ratio Lower Upper

95 100

174 64.6 52.2 78.2

175 4.5 4.0 6.0

