

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030520\
 Data File : VL034796.D
 Acq On : 5 Mar 2020 15:09
 Operator : SY/AP
 Sample : L1704-06DL 20X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1-4DL

Quant Time: Mar 06 12:04:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 04 06:36:39 2020
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	998432	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	2048777	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	2111077	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1835640	10.43	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

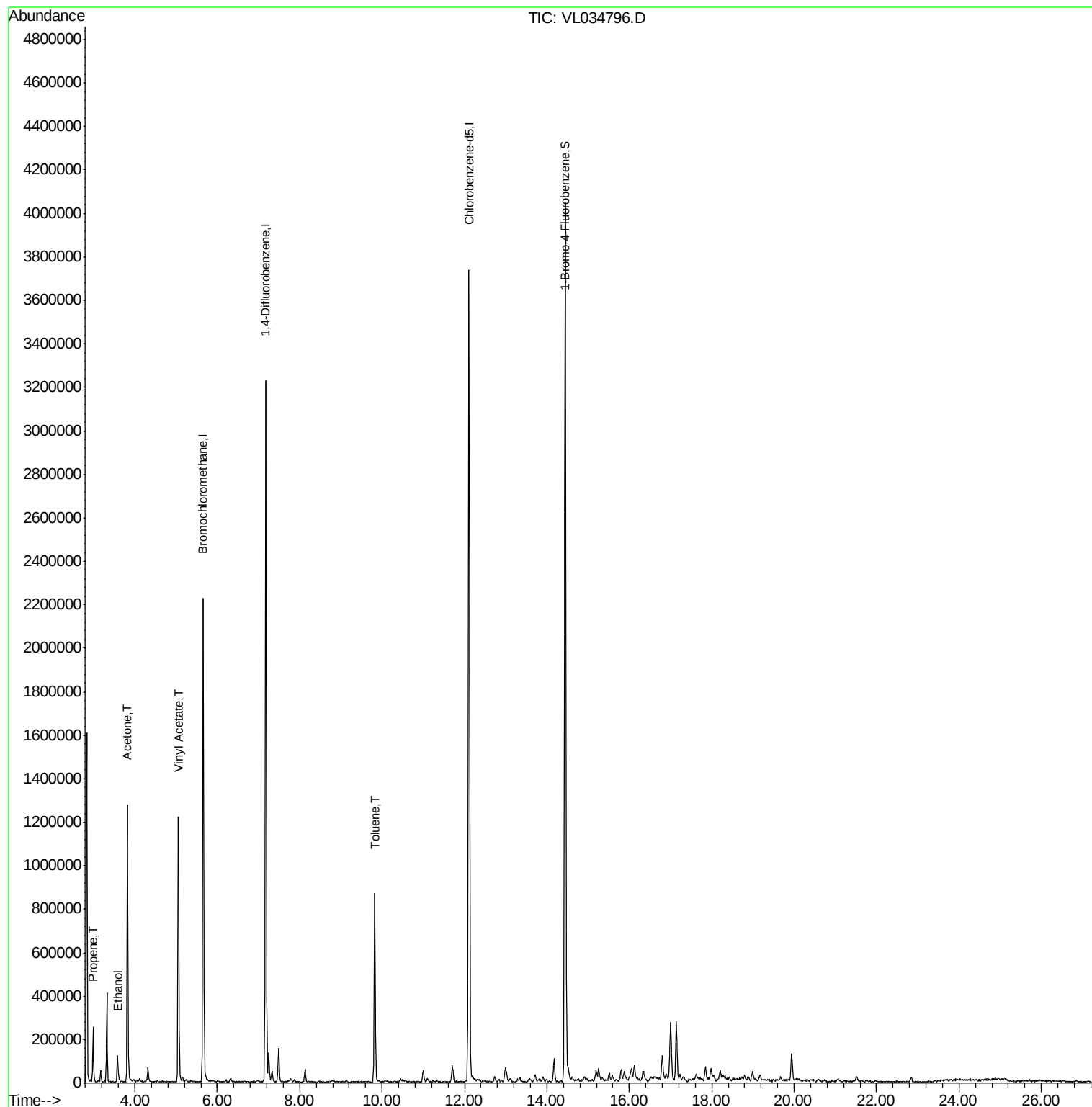
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.98	41	48227	1.077	ppbv	# 70
13) Ethanol	3.57	45	117433	7.655	ppbv	97
15) Acetone	3.82	43	1210003	10.120	ppbv	100
23) Vinyl Acetate	5.05	43	1474398	9.196	ppbv	98
53) Toluene	9.82	91	577370	3.116	ppbv	96

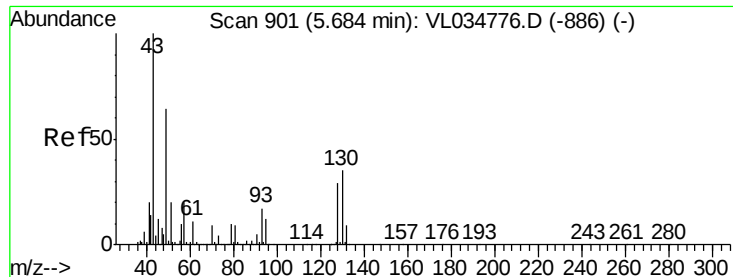
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030520\
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QLast Update : Wed Mar 04 06:36:39 2020
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL034796.D

Acq: 5 Mar 2020 15:09

Instrument :

MSVOA_L

ClientSampleId :

IA-1-4DL

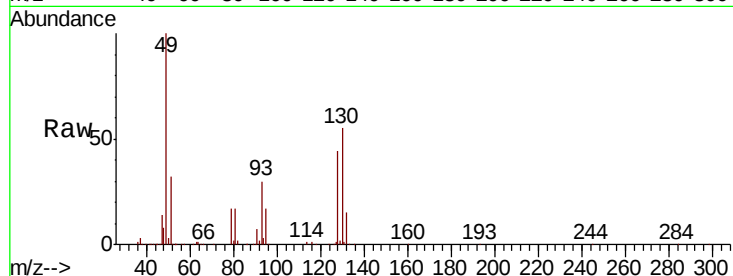
Tot Ion: 49 Resp: 998432

Ion Ratio Lower Upper

49 100

128 45.1 21.6 64.6

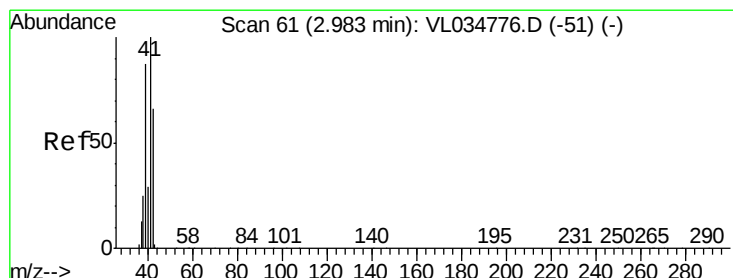
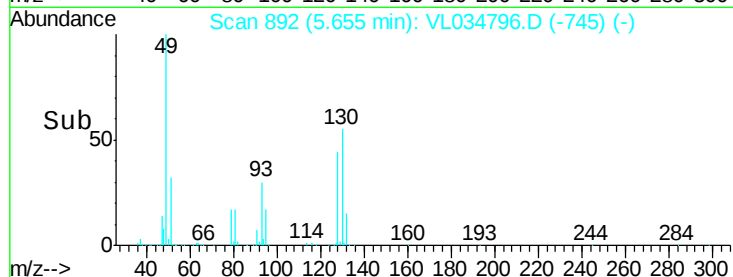
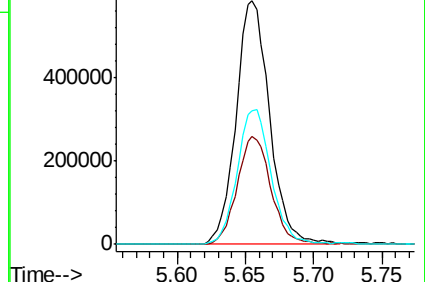
130 56.4 27.4 82.2



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



#9

Propene

Concen: 1.077 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL034796.D

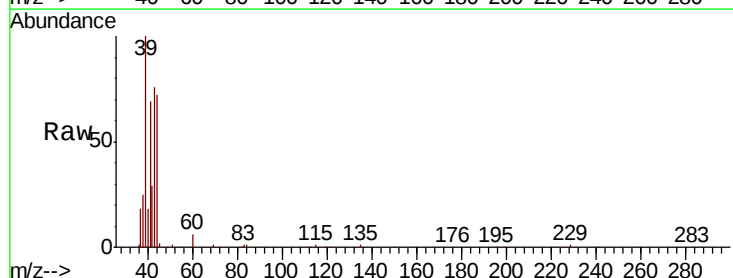
Acq: 5 Mar 2020 15:09

Tgt Ion: 41 Resp: 48227

Ion Ratio Lower Upper

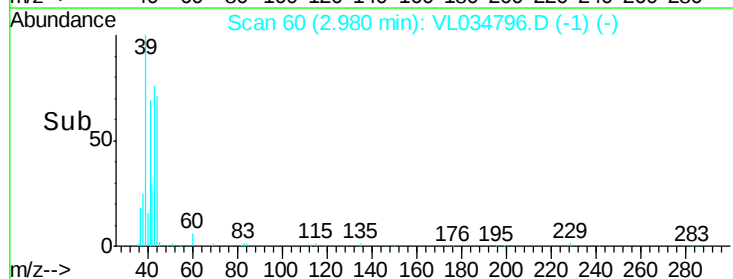
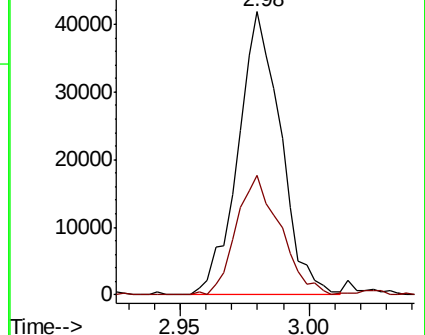
41 100

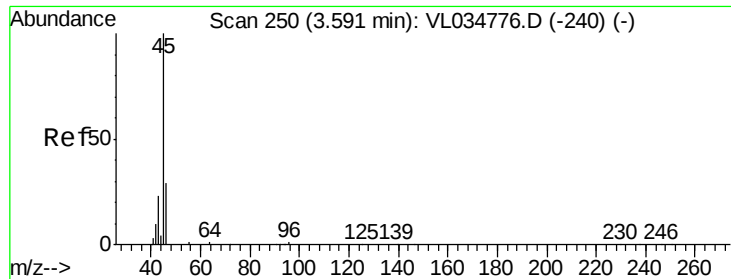
42 44.7 55.6 83.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 7.655 ppbv

RT: 3.57 min Scan# 244

Delta R.T. -0.02 min

Lab File: VL034796.D

Acq: 5 Mar 2020 15:09

Instrument :

MSVOA_L

ClientSampled :

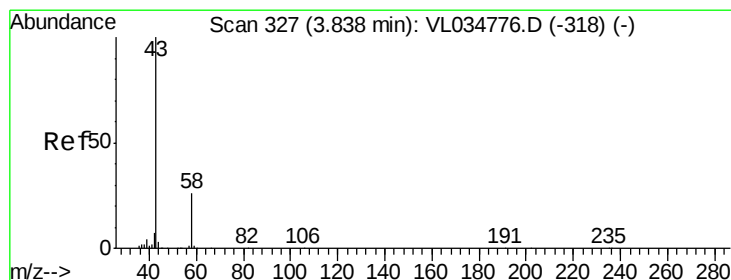
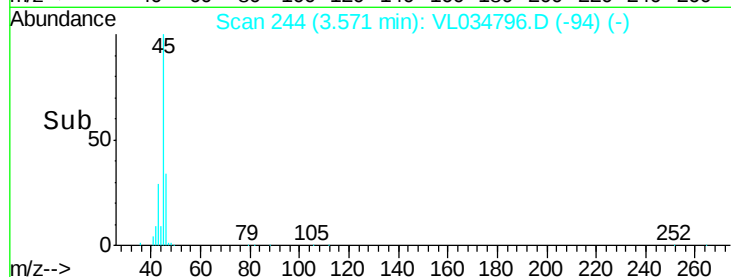
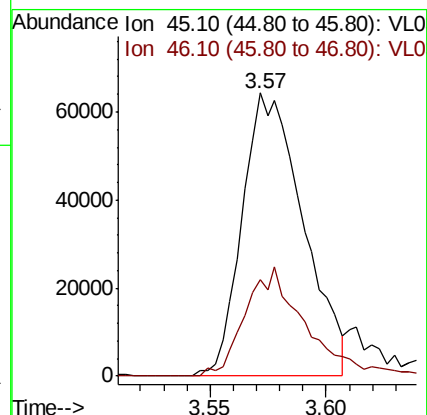
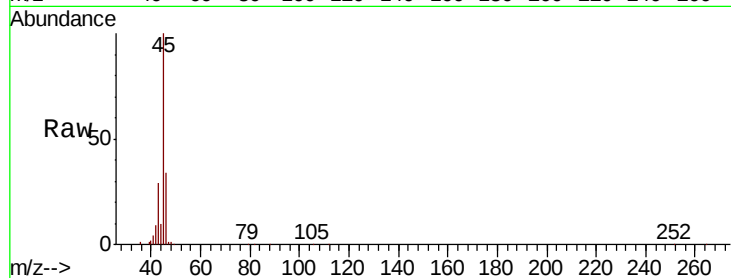
IA-1-4DL

Tot Ion: 45 Resp: 117433

Ion Ratio Lower Upper

45 100

46 38.6 14.7 58.9



#15

Acetone

Concen: 10.120 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.02 min

Lab File: VL034796.D

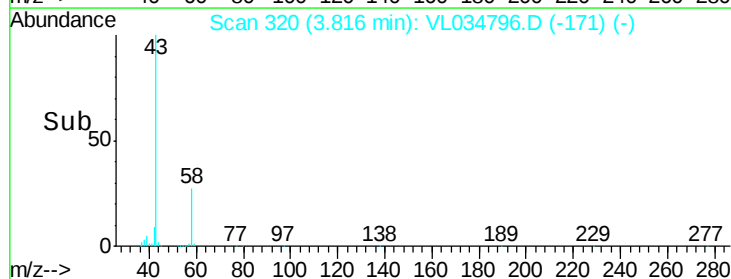
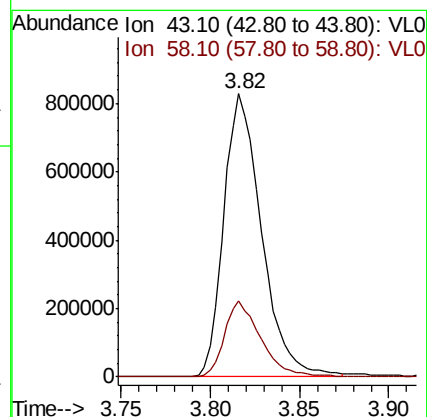
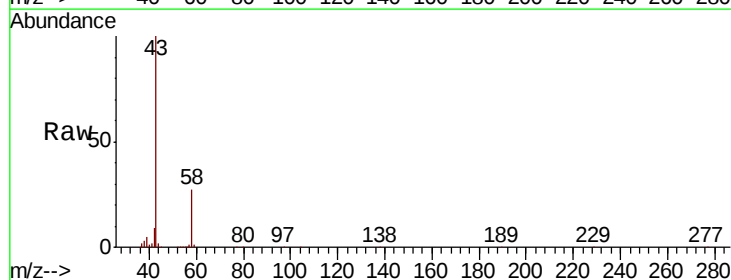
Acq: 5 Mar 2020 15:09

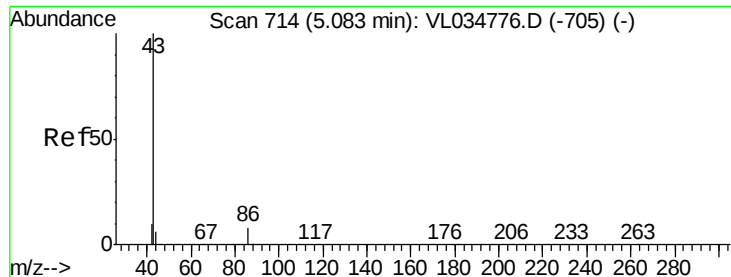
Tgt Ion: 43 Resp: 1210003

Ion Ratio Lower Upper

43 100

58 26.5 21.0 31.6





#23

Vinyl Acetate

Concen: 9.196 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.03 min

Lab File: VL034796.D

Acq: 5 Mar 2020 15:09

Instrument :

MSVOA_L

ClientSampleID :

IA-1-4DL

Tot Ion: 43 Resp: 1474398

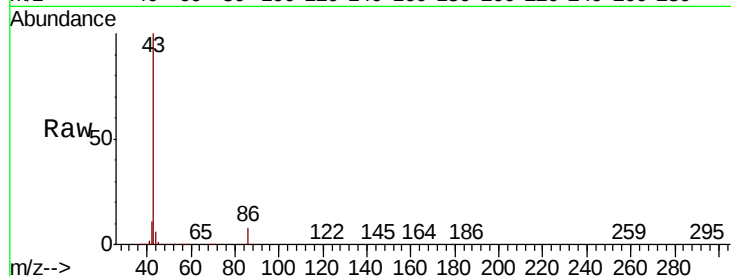
Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.9	8.9
42	11.4	8.2	12.2
44	6.2	4.5	6.7

43 100

86 7.7 5.9 8.9

42 11.4 8.2 12.2

44 6.2 4.5 6.7



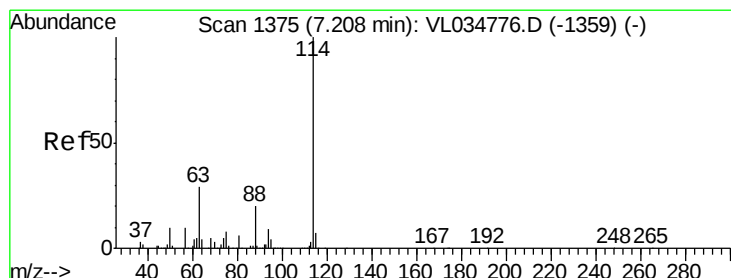
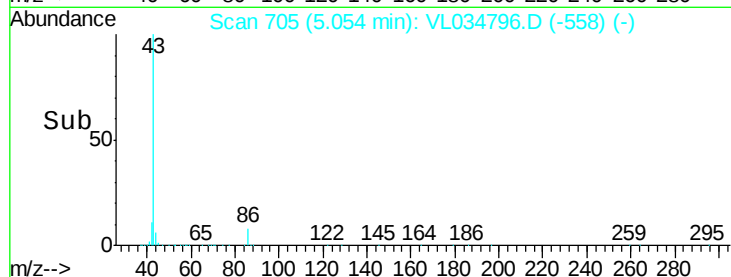
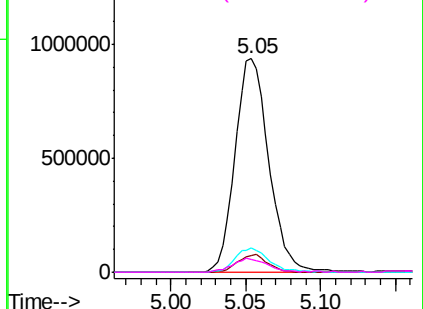
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.03 min

Lab File: VL034796.D

Acq: 5 Mar 2020 15:09

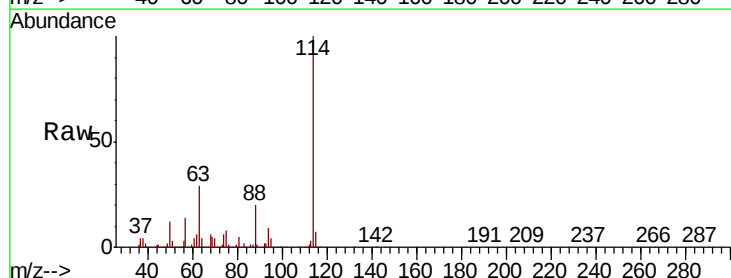
Tgt Ion: 114 Resp: 2048777

Ion	Ratio	Lower	Upper
114	100		
63	29.0	23.6	35.4
88	19.4	15.8	23.8

114 100

63 29.0 23.6 35.4

88 19.4 15.8 23.8

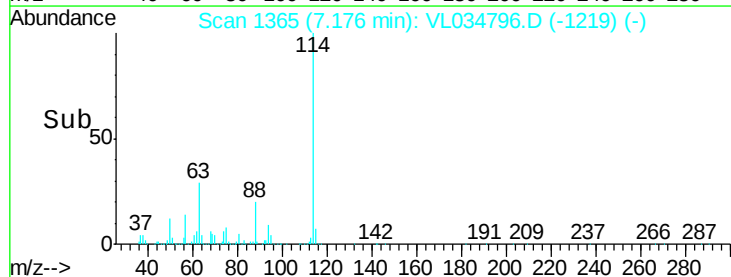
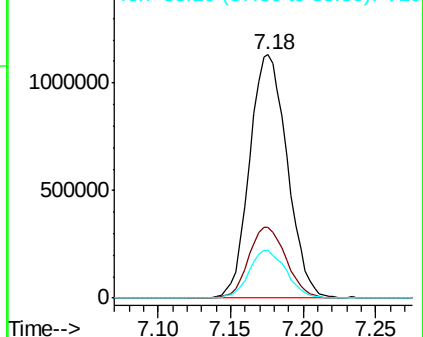


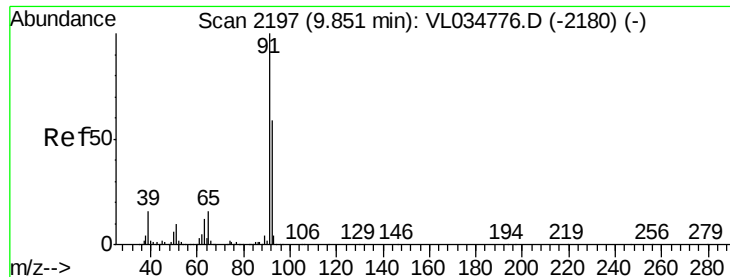
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#53

Toluene

Concen: 3.116 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.03 min

Lab File: VL034796.D

Acq: 5 Mar 2020 15:09

Instrument :

MSVOA_L

ClientSampleId :

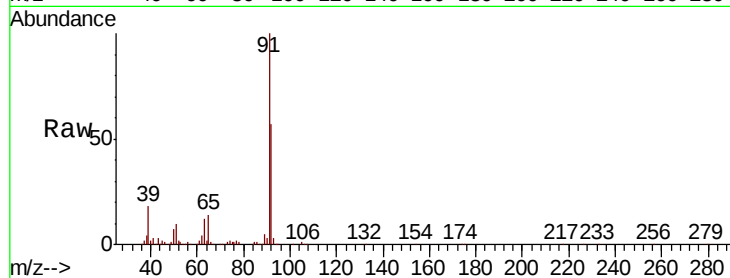
IA-1-4DL

Tot Ion: 91 Resp: 577370

Ion Ratio Lower Upper

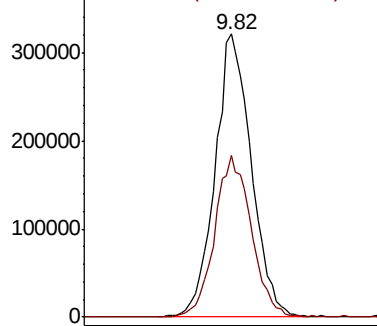
91 100

92 57.4 48.2 72.2

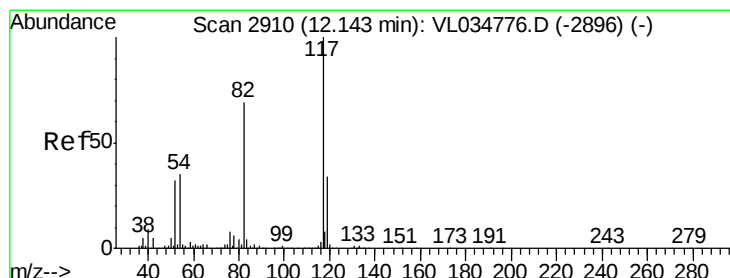
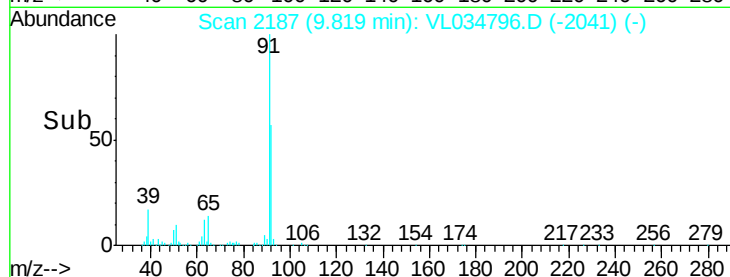


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.04 min

Lab File: VL034796.D

Acq: 5 Mar 2020 15:09

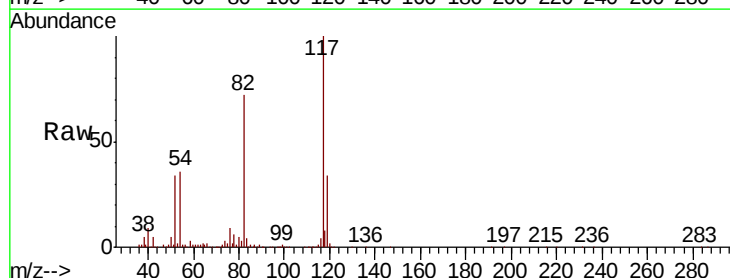
Tgt Ion: 117 Resp: 2111077

Ion Ratio Lower Upper

117 100

82 70.8 53.9 80.9

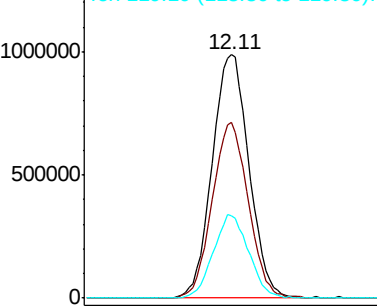
119 33.1 25.0 37.4



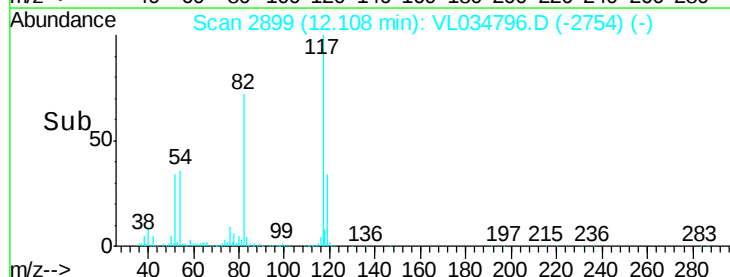
Abundance Ion 117.10 (116.80 to 117.80): V

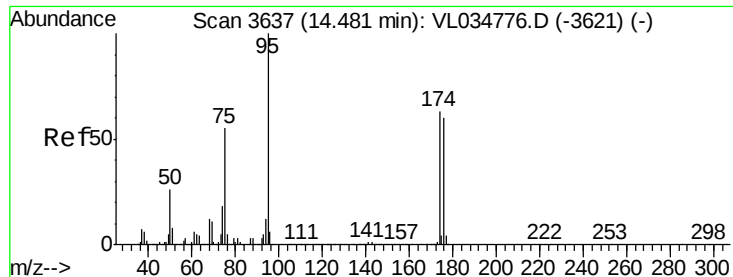
Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



Time-->





#68

1-Bromo-4-Fluorobenzene

Concen: 10.428 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.04 min

Lab File: VL034796.D

Acq: 5 Mar 2020 15:09

Instrument :

MSVOA_L

ClientSampleId :

IA-1-4DL

Tot Ion: 95 Resp: 1835640

Ion Ratio Lower Upper

95 100

174 63.3 50.6 76.0

175 4.6 3.8 5.6

