

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
 Data File : VL035918.D
 Acq On : 12 Nov 2020 18:01
 Operator : SY/AP
 Sample : L4720-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CVS-3DL

Quant Time: Nov 14 21:36:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1145541	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3951320	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3740341	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2695208	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

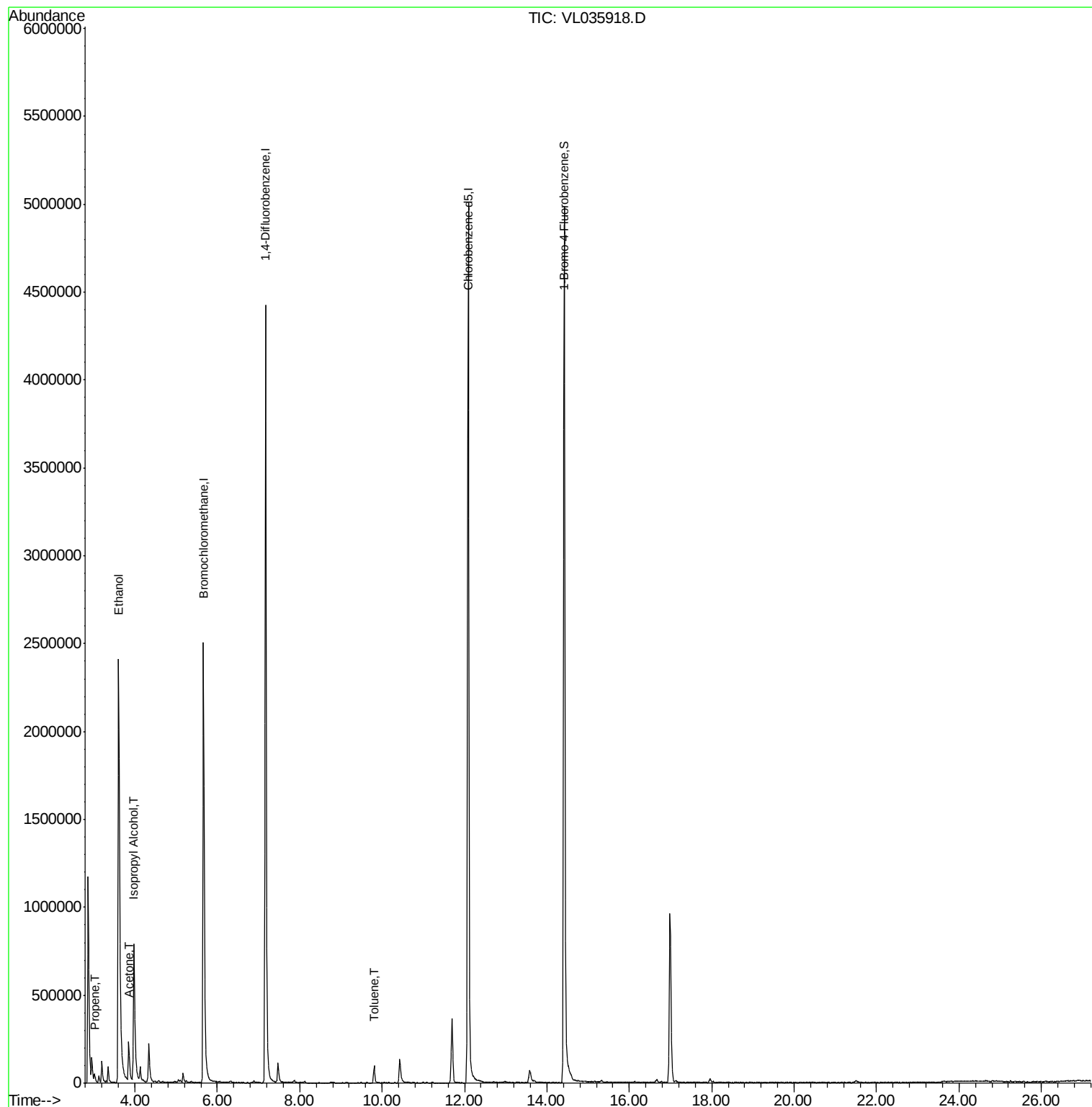
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	10569	0.210	ppbv	98
13) Ethanol	3.61	45	3880652	356.257	ppbv	96
15) Acetone	3.85	43	254758	2.080	ppbv	95
19) Isopropyl Alcohol	3.98	45	1184999	15.745	ppbv	99
53) Toluene	9.80	91	87053	0.246	ppbv	96

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

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

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MSVOA_L

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CVS-3DL

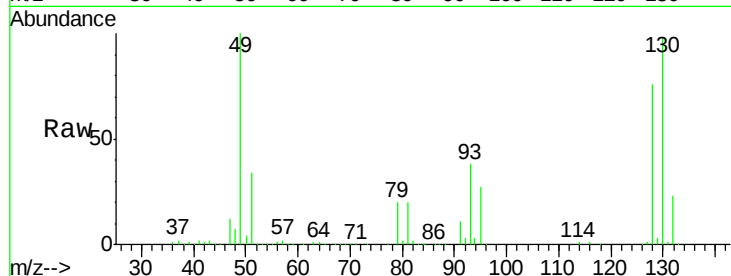
Tot Ion: 49 Resp: 1145541

Ion Ratio Lower Upper

49 100

128 76.8 41.5 124.6

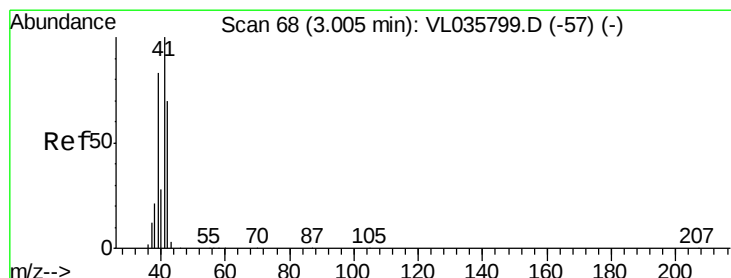
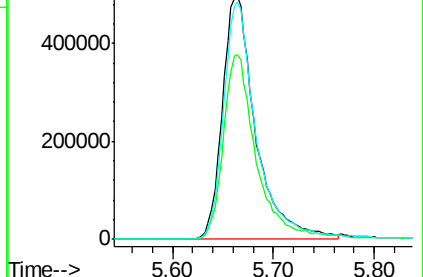
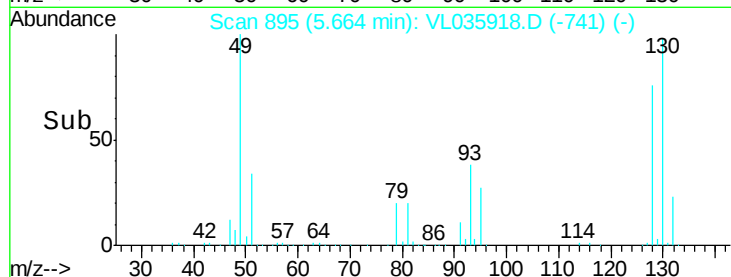
130 97.9 53.7 161.1



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: 0.210 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL035918.D

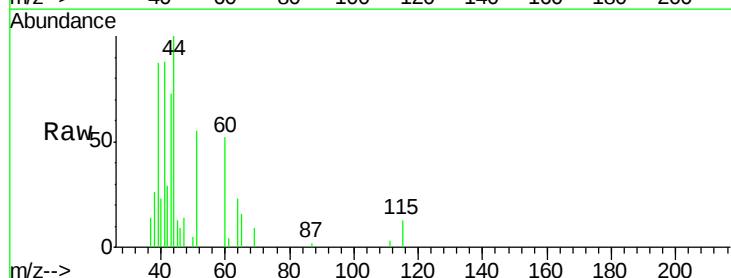
Acq: 12 Nov 2020 18:01

Tgt Ion: 41 Resp: 10569

Ion Ratio Lower Upper

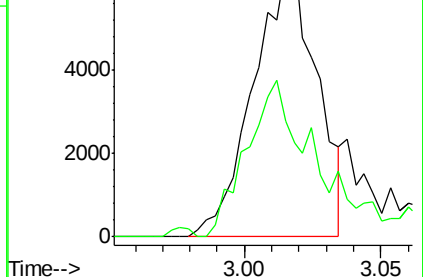
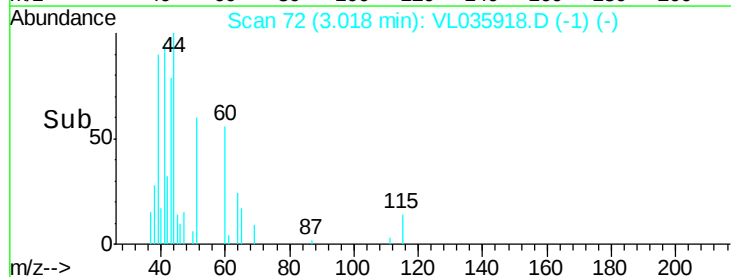
41 100

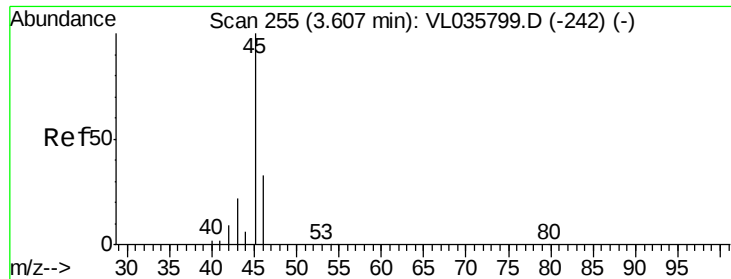
42 68.7 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 356.257 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL035918.D

Acq: 12 Nov 2020 18:01

Instrument :

MSVOA_L

ClientSampleId :

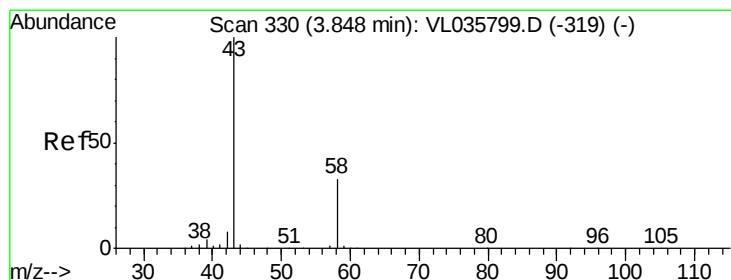
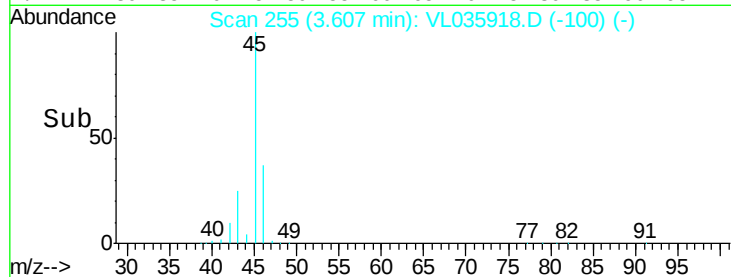
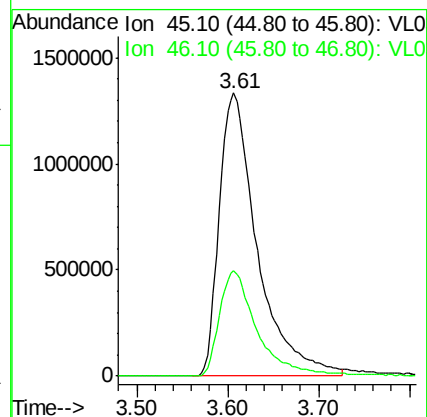
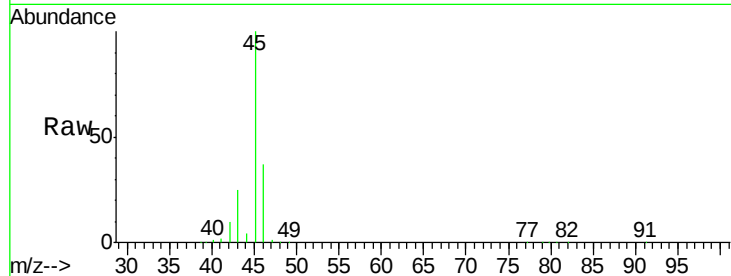
CVS-3DL

Tot Ion: 45 Resp: 3880652

Ion Ratio Lower Upper

45 100

46 37.6 16.1 64.5



#15

Acetone

Concen: 2.080 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL035918.D

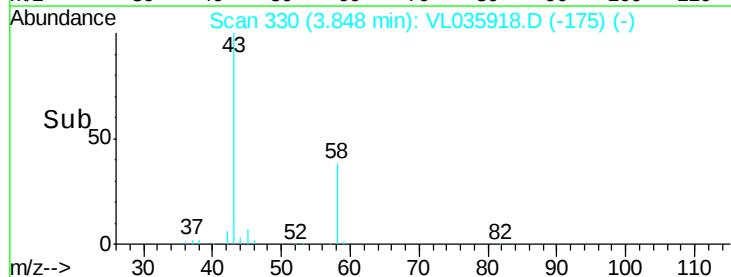
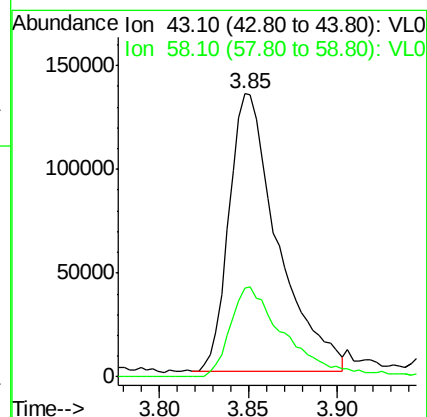
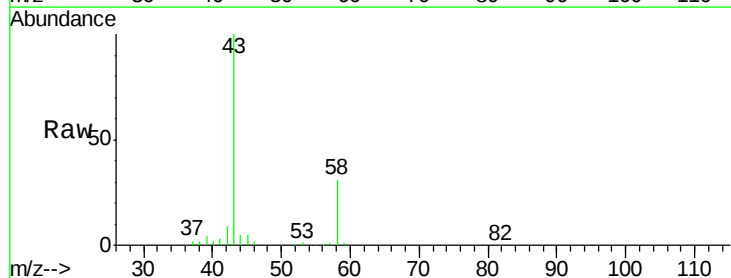
Acq: 12 Nov 2020 18:01

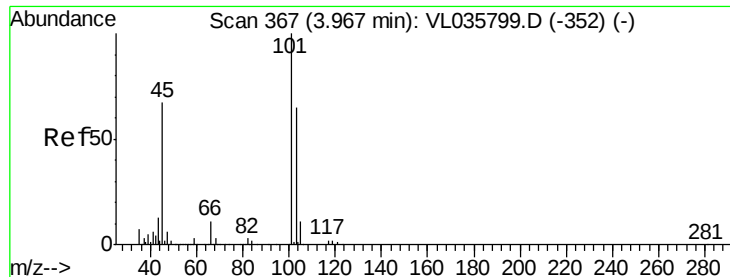
Tgt Ion: 43 Resp: 254758

Ion Ratio Lower Upper

43 100

58 37.1 27.5 41.3





#19

Isopropyl Alcohol

Concen: 15.745 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL035918.D

Acq: 12 Nov 2020 18:01

Instrument :

MSVOA_L

ClientSampleId :

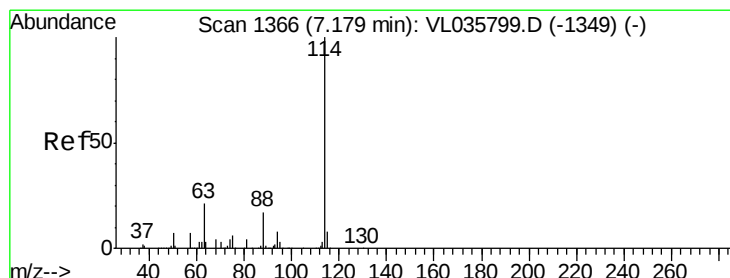
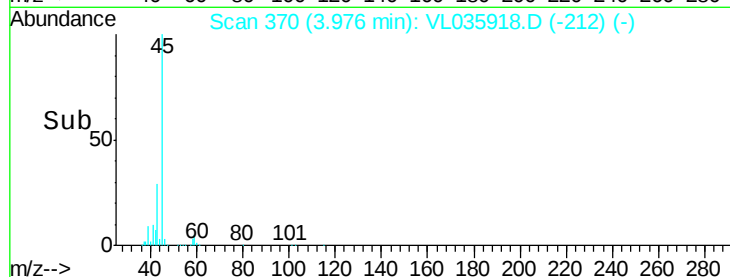
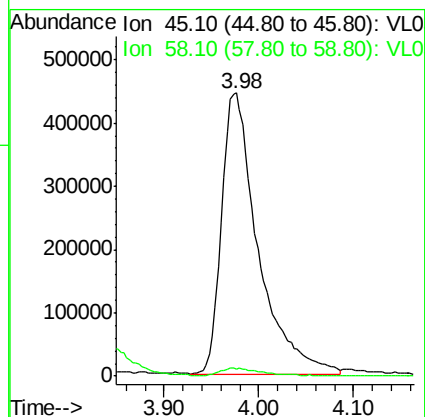
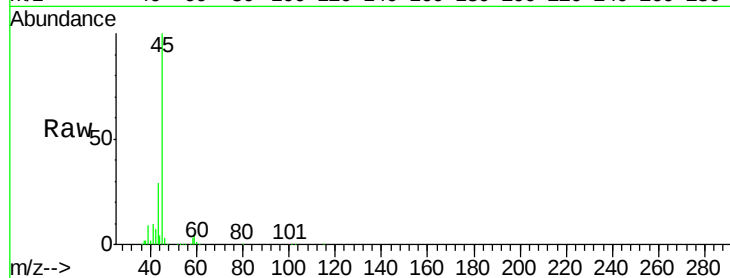
CVS-3DL

Tot Ion: 45 Resp: 1184999

Ion Ratio Lower Upper

45 100

58 3.5 2.6 3.8



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL035918.D

Acq: 12 Nov 2020 18:01

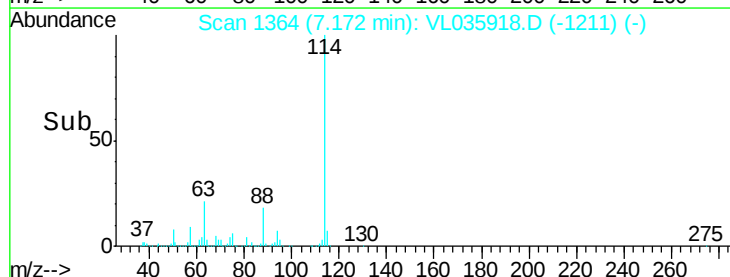
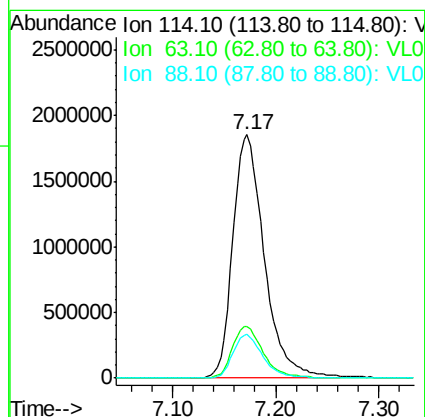
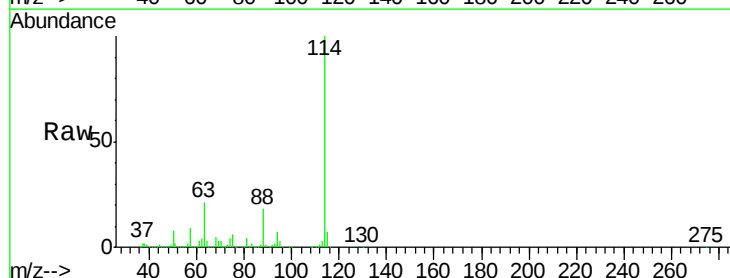
Tgt Ion: 114 Resp: 3951320

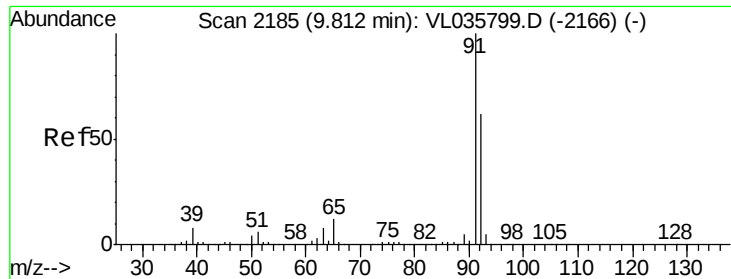
Ion Ratio Lower Upper

114 100

63 21.1 16.1 24.1

88 17.6 13.7 20.5





#53

Toluene

Concen: 0.246 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL035918.D

Acq: 12 Nov 2020 18:01

Instrument :

MSVOA_L

ClientSampleId :

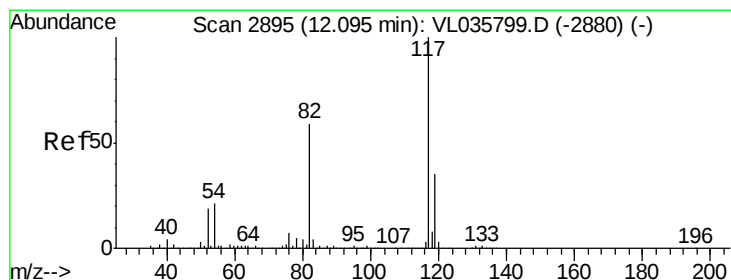
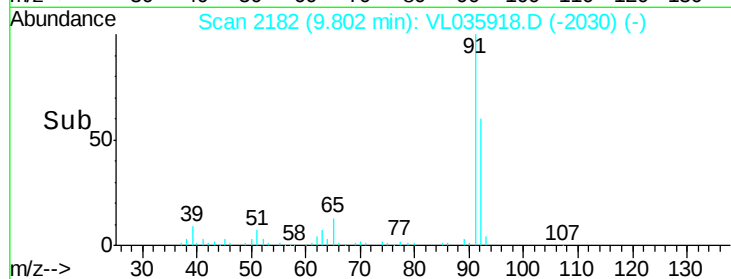
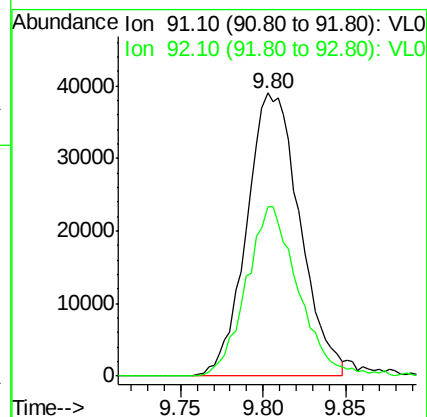
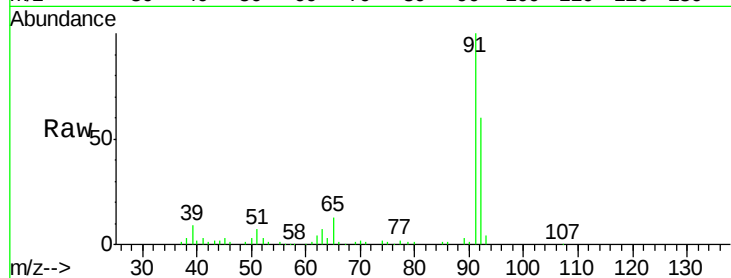
CVS-3DL

Tot Ion: 91 Resp: 87053

Ion Ratio Lower Upper

91 100

92 59.1 49.8 74.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL035918.D

Acq: 12 Nov 2020 18:01

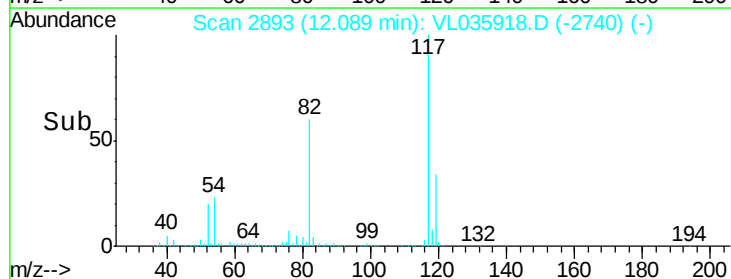
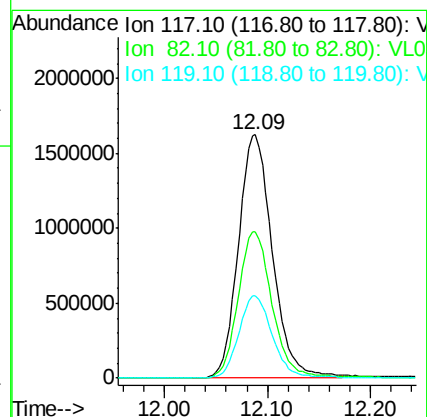
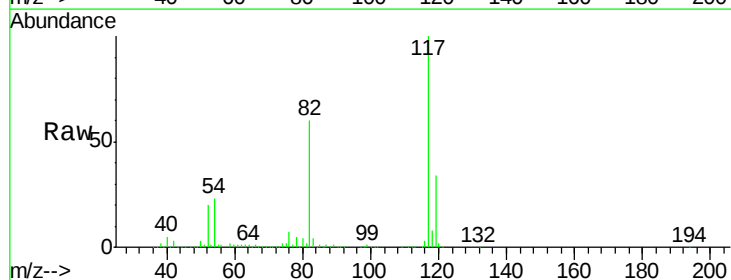
Tgt Ion: 117 Resp: 3740341

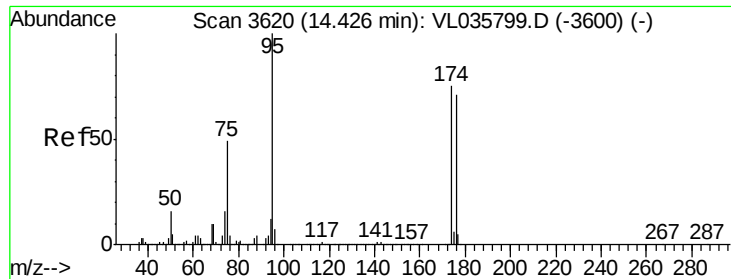
Ion Ratio Lower Upper

117 100

82 60.9 50.6 76.0

119 33.9 52.6 78.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.142 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL035918.D

Acq: 12 Nov 2020 18:01

Instrument :

MSVOA_L

ClientSampleId :

CVS-3DL

Tot Ion: 95 Resp: 2695208

Ion Ratio Lower Upper

95 100

174 73.5 59.8 89.6

175 5.2 4.3 6.5

