

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
 Data File : VL035131.D
 Acq On : 30 Jun 2020 18:55
 Operator : SY/AP
 Sample : L3124-02DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Quant Time: Jul 01 14:53:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1293839	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3044564	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2855347	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2380585	10.04	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

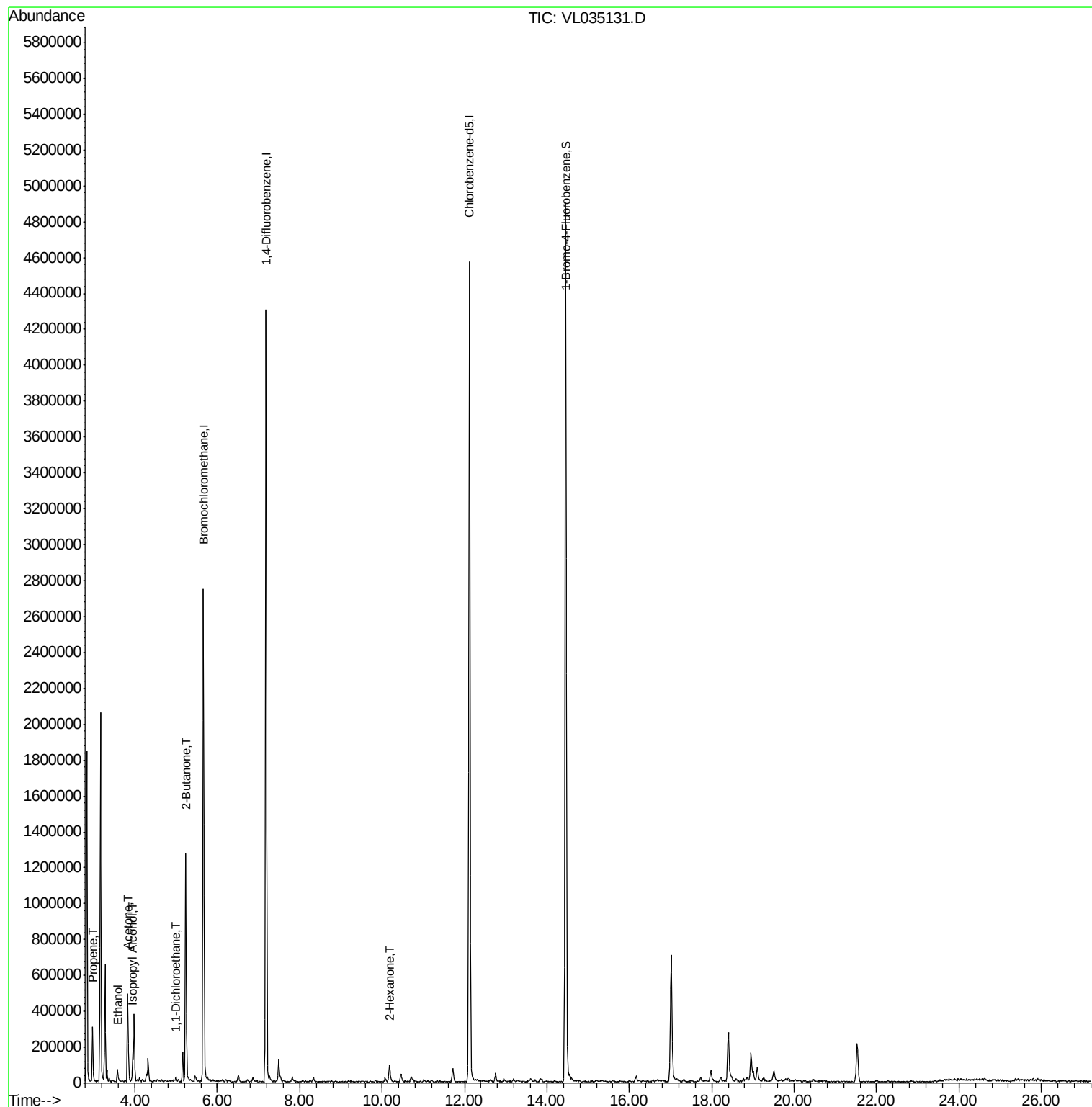
Target Compounds					Ovalue
9) Propene	2.97	41	115515	2.041 ppbv	94
13) Ethanol	3.58	45	69996	3.274 ppbv	91
15) Acetone	3.83	43	441202	2.820 ppbv #	62
19) Isopropyl Alcohol	3.95	45	185995	1.831 ppbv #	1
24) 1,1-Dichloroethane	5.00	63	21399m	0.134 ppbv	
34) 2-Butanone	5.23	43	1418535	8.113 ppbv	99
51) 2-Hexanone	10.18	43	80736	0.415 ppbv #	99

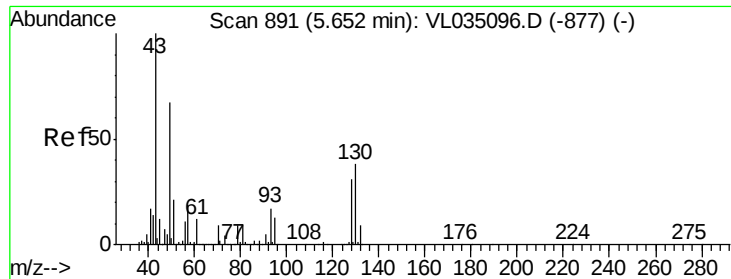
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL035131.D

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Instrument :

MSVOA_L

ClientSampleId :

MIDDLE

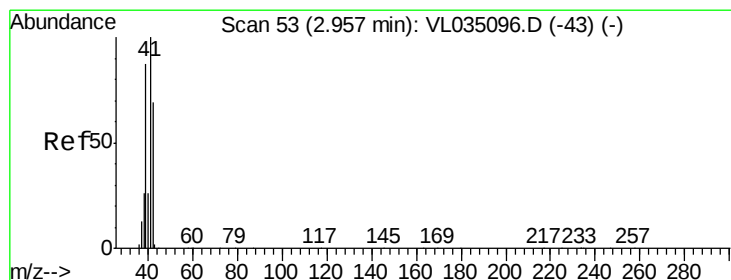
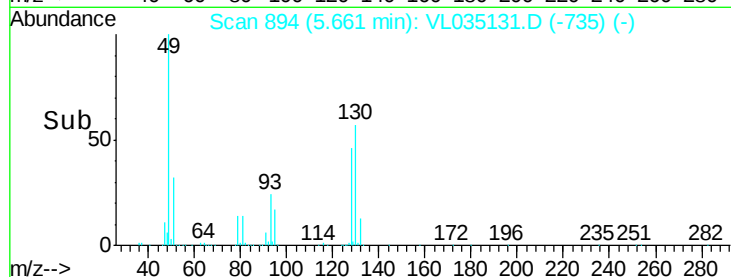
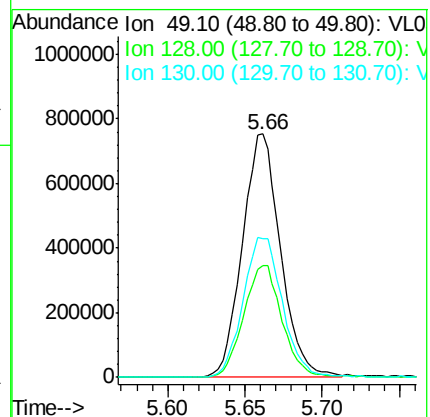
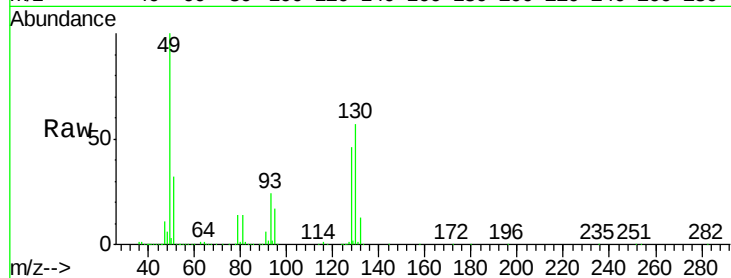
Tot Ion: 49 Resp: 1293839

Ion Ratio Lower Upper

49 100

128 46.7 22.9 68.5

130 59.5 29.0 87.0



#9

Propene

Concen: 2.041 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.02 min

Lab File: VL035131.D

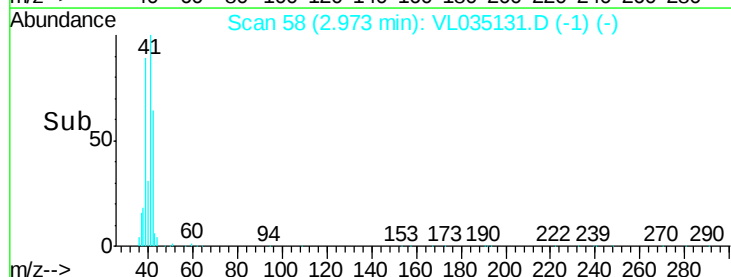
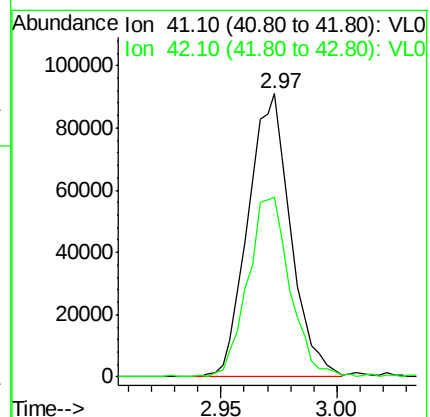
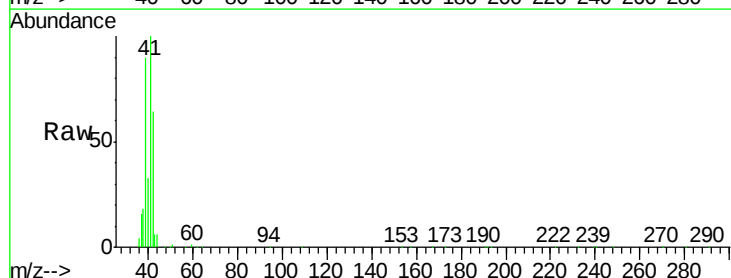
Acq: 30 Jun 2020 18:55

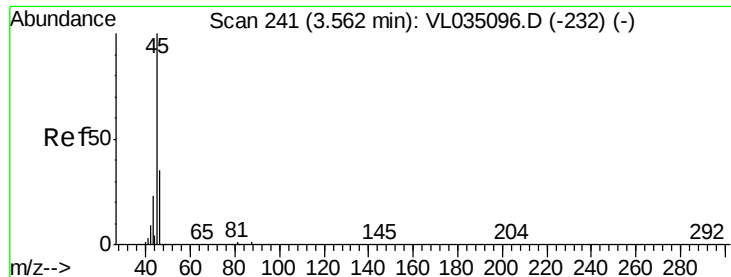
Tgt Ion: 41 Resp: 115515

Ion Ratio Lower Upper

41 100

42 65.0 55.8 83.6





#13

Ethanol

Concen: 3.274 ppbv

RT: 3.58 min Scan# 247

Delta R.T. 0.02 min

Lab File: VL035131.D

Acq: 30 Jun 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

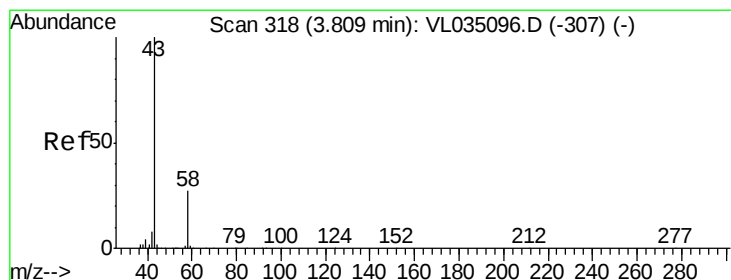
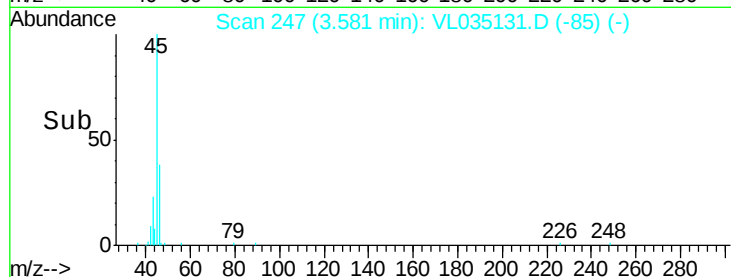
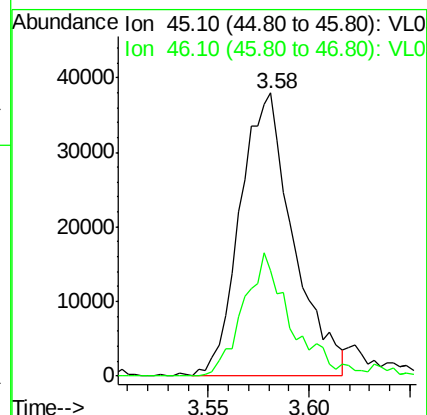
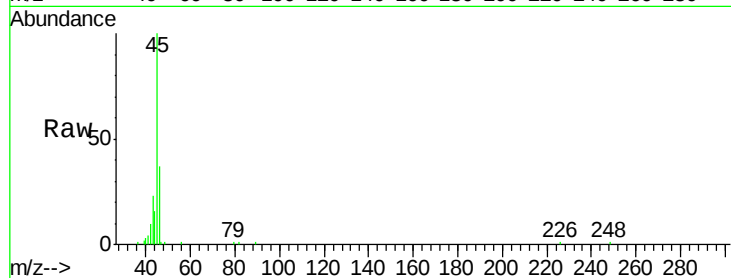
MIDDLE

Tot Ion: 45 Resp: 69996

Ion Ratio Lower Upper

45 100

46 40.7 14.2 57.0



#15

Acetone

Concen: 2.820 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.02 min

Lab File: VL035131.D

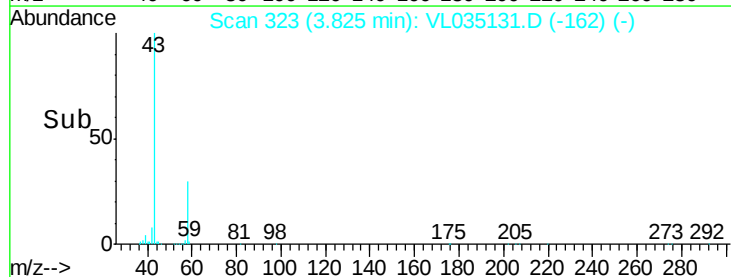
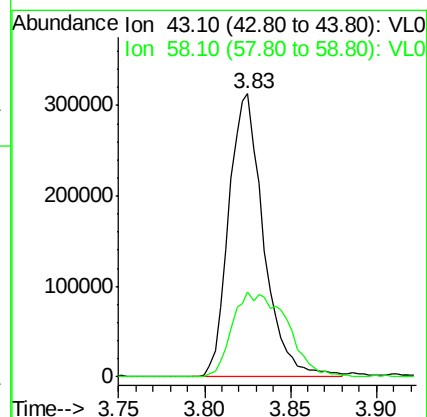
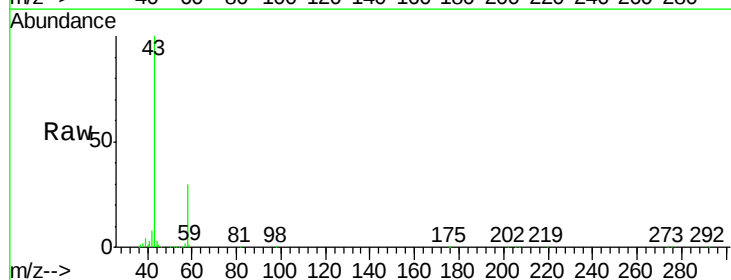
Acq: 30 Jun 2020 18:55

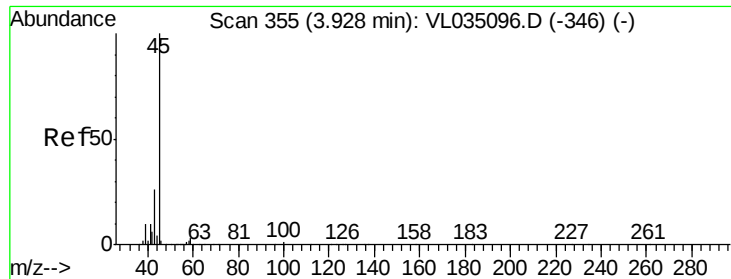
Tgt Ion: 43 Resp: 441202

Ion Ratio Lower Upper

43 100

58 47.0 21.8 32.6#





#19

Isopropyl Alcohol

Concen: 1.831 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.02 min

Lab File: VL035131.D

Acq: 30 Jun 2020 18:55

Instrument :

MSVOA_L

ClientSampled :

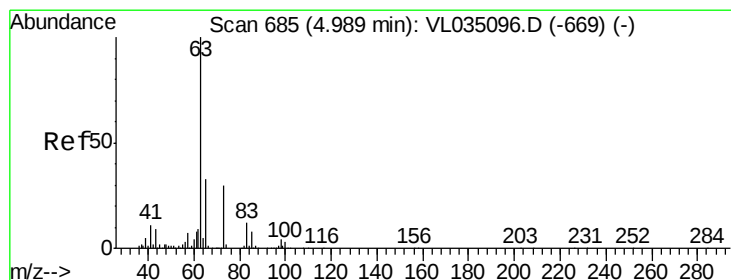
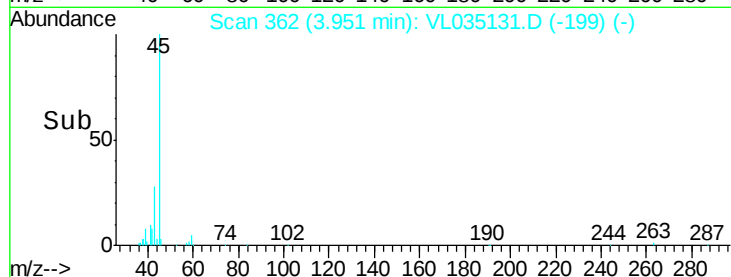
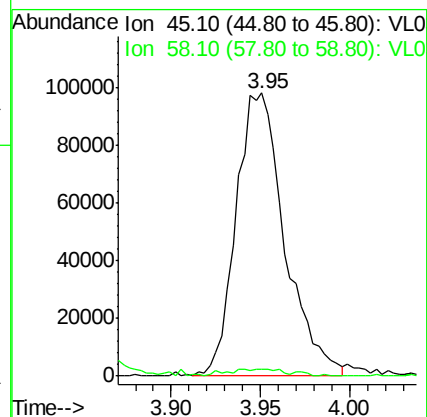
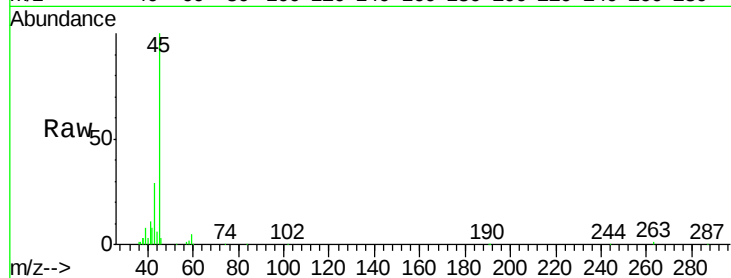
MIDDLE

Tot Ion: 45 Resp: 185995

Ion Ratio Lower Upper

45 100

58 111.3 1.8 2.8#



#24

1,1-Dichloroethane

Concen: 0.134 ppbv m

RT: 5.00 min Scan# 687

Delta R.T. 0.01 min

Lab File: VL035131.D

Acq: 30 Jun 2020 18:55

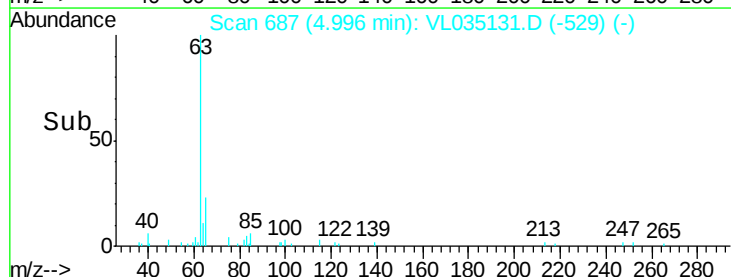
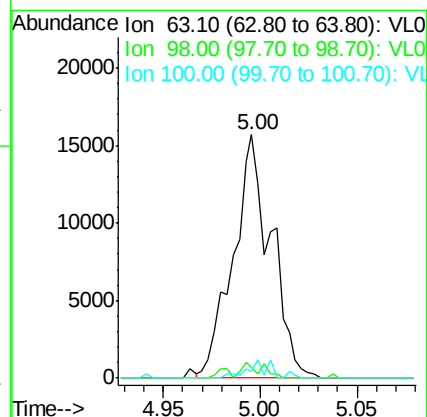
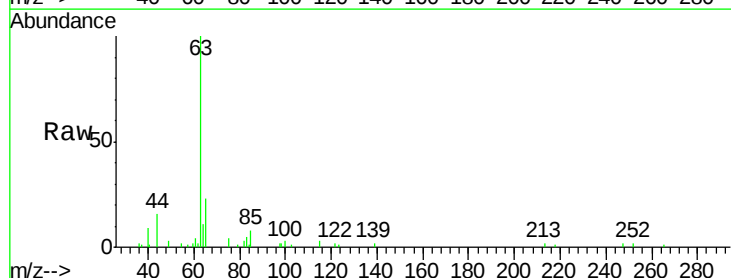
Tgt Ion: 63 Resp: 21399

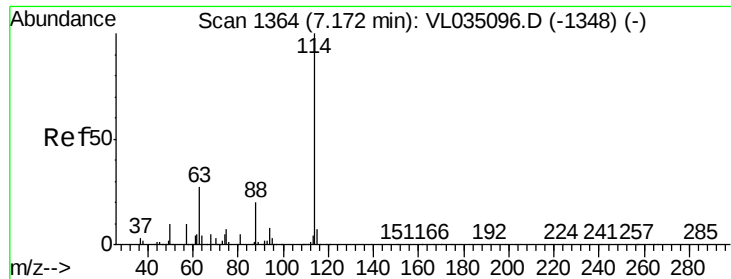
Ion Ratio Lower Upper

63 100

98 2.3 2.3 6.9#

100 3.0 1.4 4.0



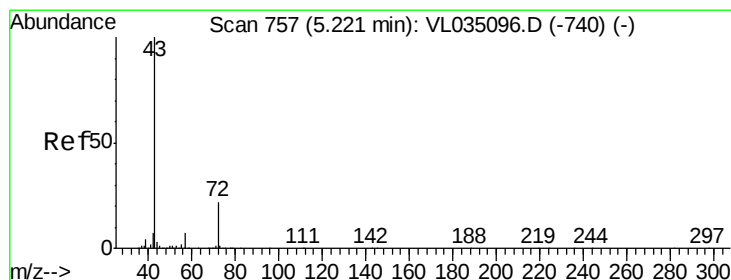
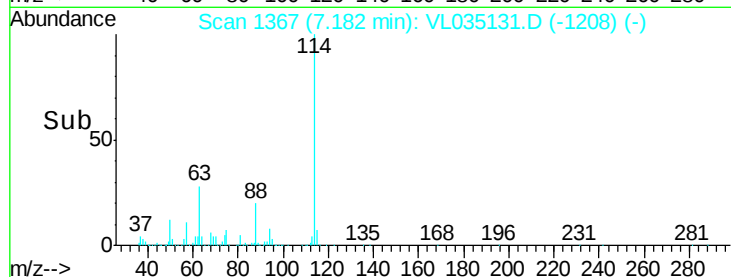
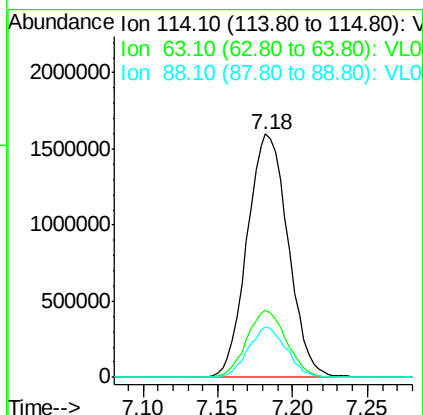
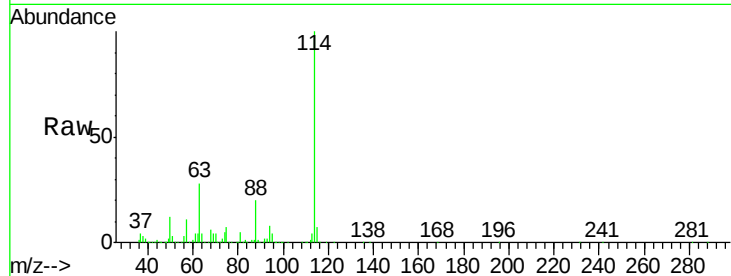


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: VL035131.D
 Acq: 30 Jun 2020 18:55

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Tot Ion:114 Resp: 3044564

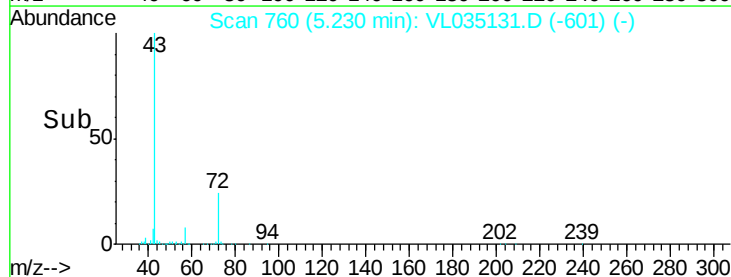
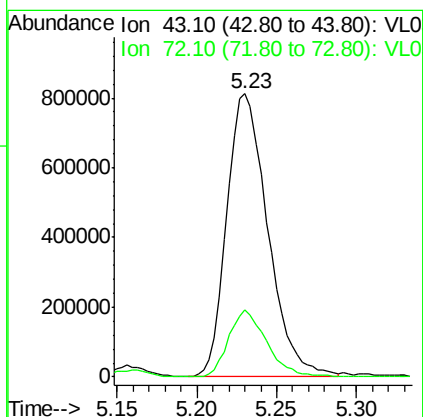
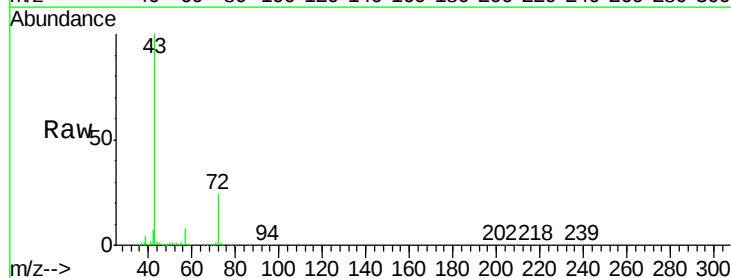
Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.9	32.9
88	19.3	15.6	23.4

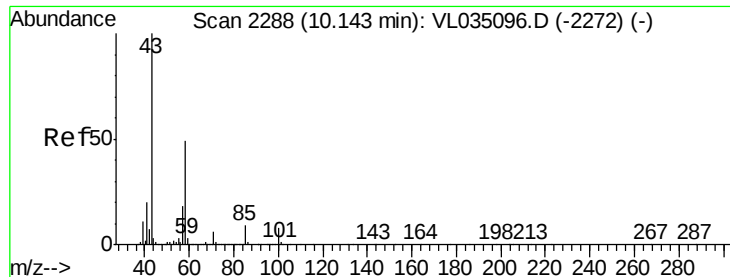


#34
 2-Butanone
 Concen: 8.113 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.01 min
 Lab File: VL035131.D
 Acq: 30 Jun 2020 18:55

Tgt Ion: 43 Resp: 1418535

Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.3	27.5





#51

2-Hexanone

Concen: 0.415 ppbv

RT: 10.18 min Scan# 2299

Delta R.T. 0.04 min

Lab File: VL035131.D

Acq: 30 Jun 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

MIDDLE

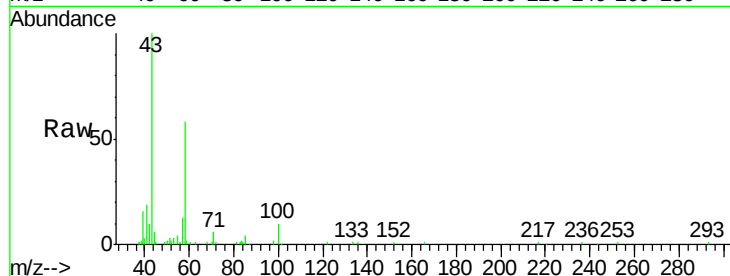
Tot Ion: 43 Resp: 80736

Ion Ratio Lower Upper

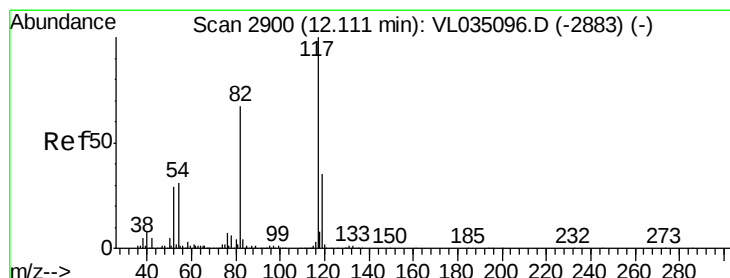
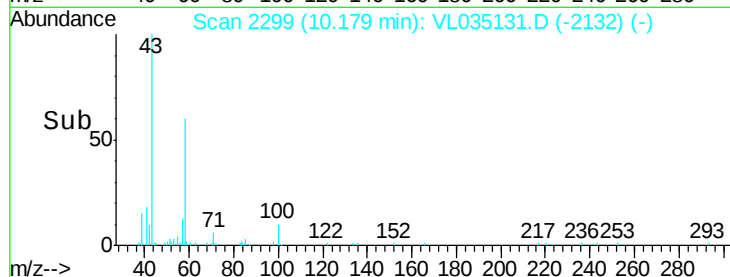
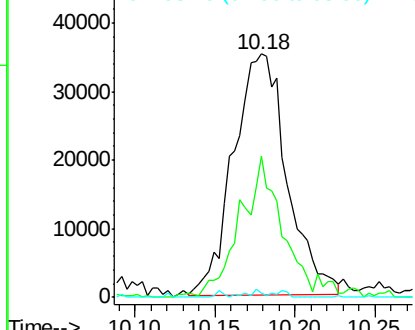
43 100

58 49.4 39.2 58.8

98 1.9 0.3 0.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. 0.01 min

Lab File: VL035131.D

Acq: 30 Jun 2020 18:55

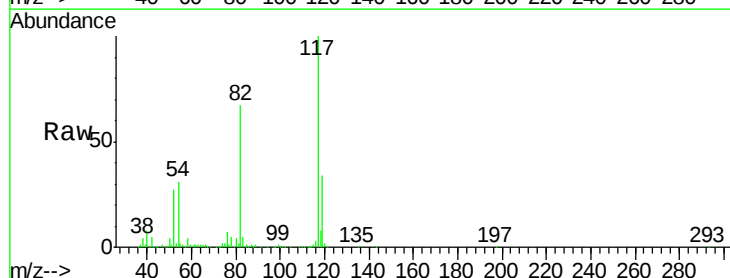
Tgt Ion: 117 Resp: 2855347

Ion Ratio Lower Upper

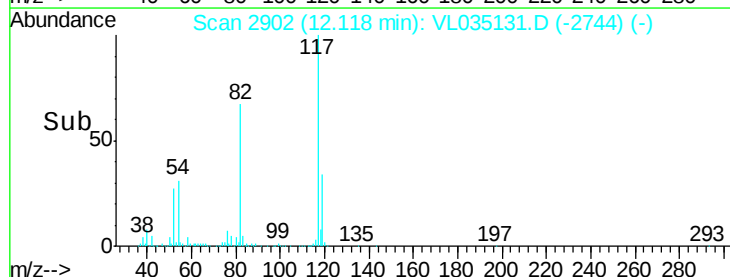
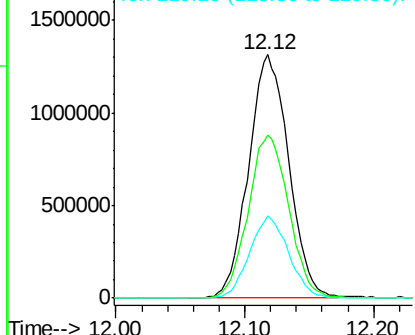
117 100

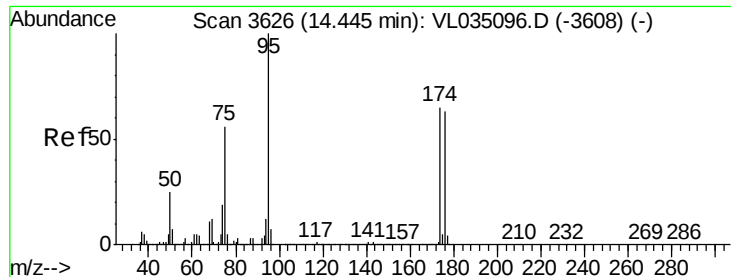
82 67.8 50.4 75.6

119 32.8 25.4 38.0



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





#68

1-Bromo-4-Fluorobenzene

Concen: 10.037 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.01 min

Lab File: VL035131.D

Acq: 30 Jun 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

MIDDLE

Tot Ion: 95 Resp: 2380585

Ion Ratio Lower Upper

95 100

174 66.8 52.2 78.2

175 5.0 4.0 6.0

