

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037240.D
 Acq On : 23 Jun 2021 10:42
 Operator : SY/AP
 Sample : M2797-03DL 200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Quant Time: Jun 24 09:54:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1537259	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4439757	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.07	117	3899365	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2876867	9.74	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

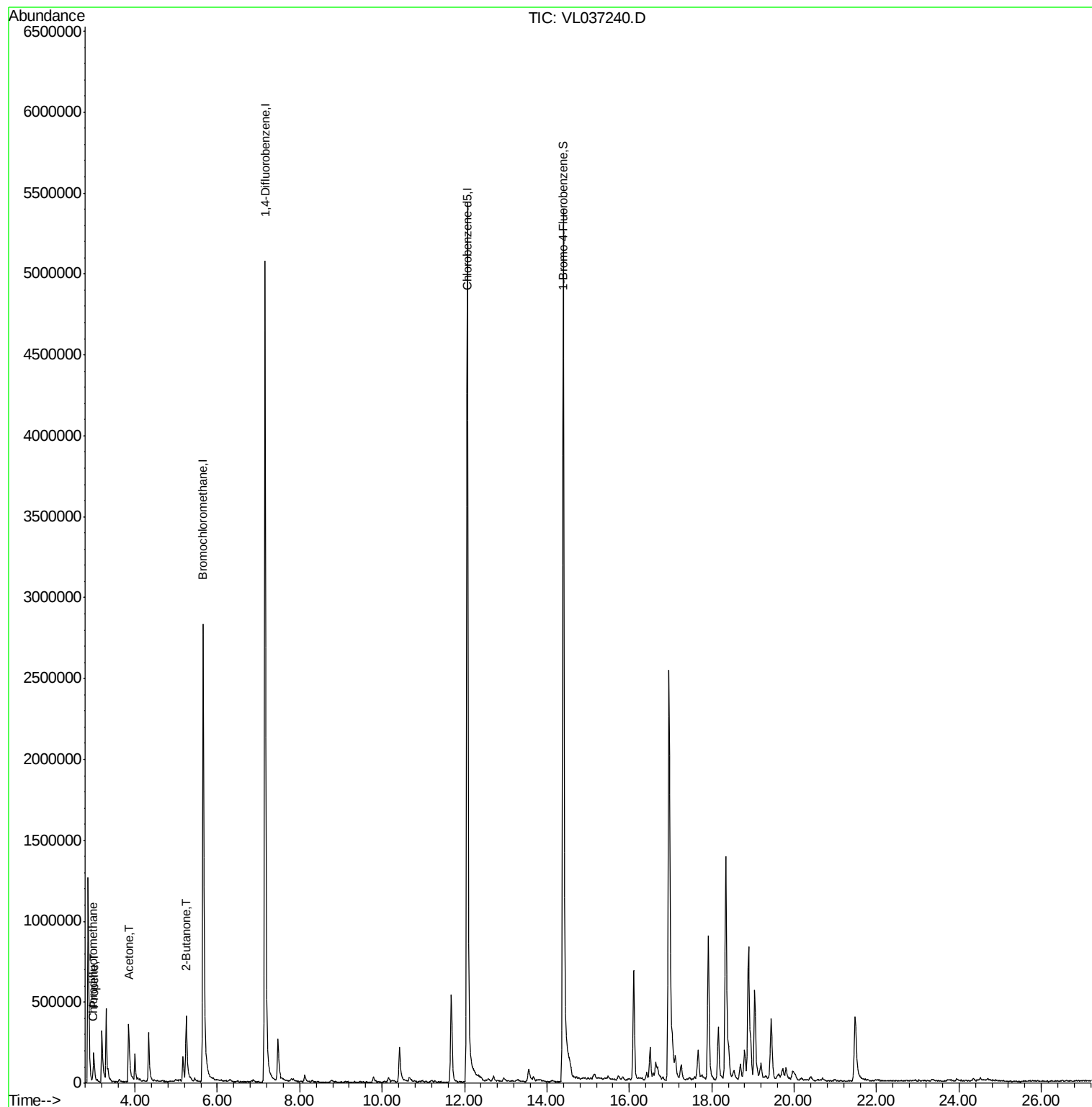
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	54657	0.183	ppbv	98
9) Propene	3.00	41	93724	0.981	ppbv	97
15) Acetone	3.85	43	509288	2.938	ppbv #	85
34) 2-Butanone	5.25	43	645296	3.737	ppbv	99

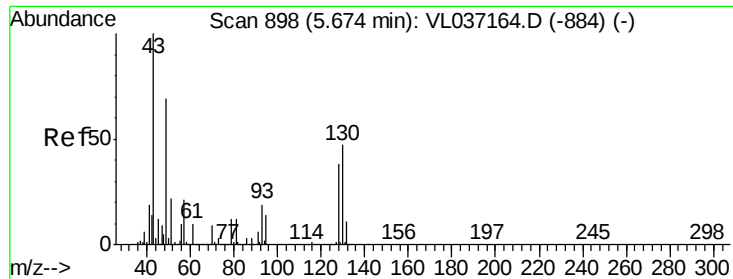
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL037240.D

Acq: 23 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

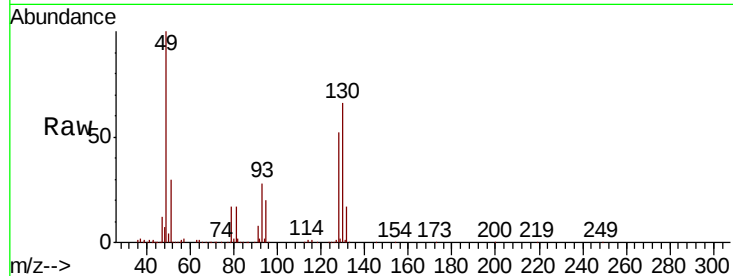
Tot Ion: 49 Resp: 1537259

Ion Ratio Lower Upper

49 100

128 56.5 29.3 88.0

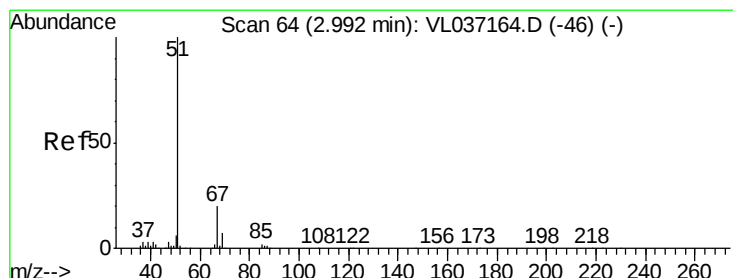
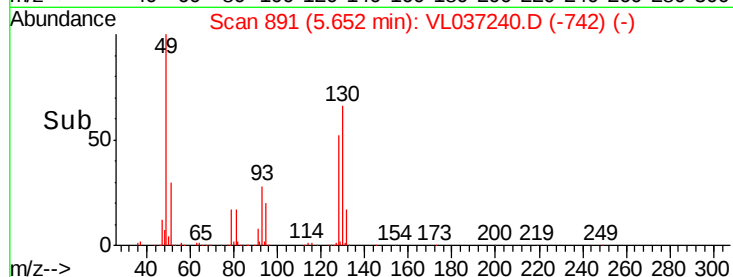
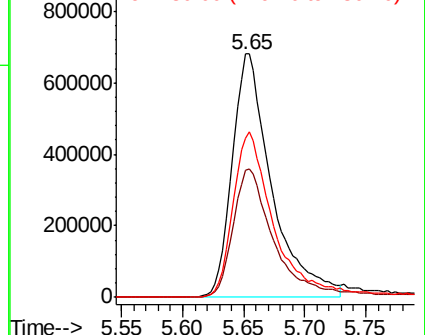
130 74.0 35.9 107.8



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



#3

Chlorodifluoromethane

Concen: 0.183 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL037240.D

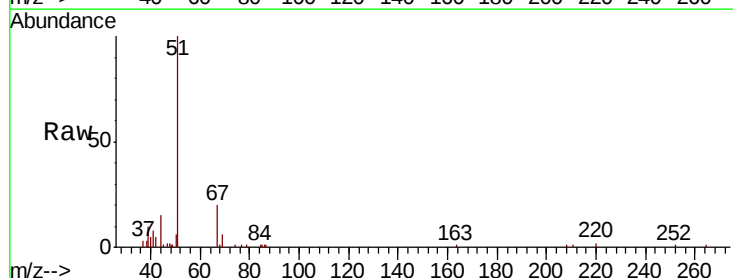
Acq: 23 Jun 2021 10:42

Tgt Ion: 51 Resp: 54657

Ion Ratio Lower Upper

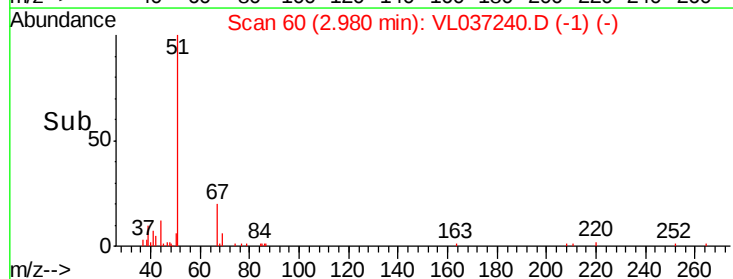
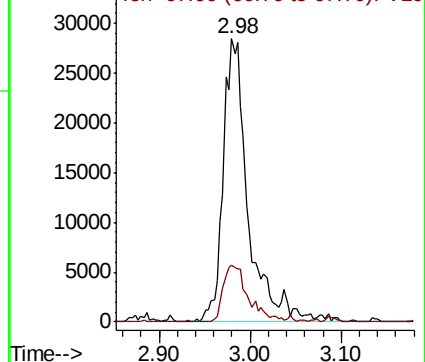
51 100

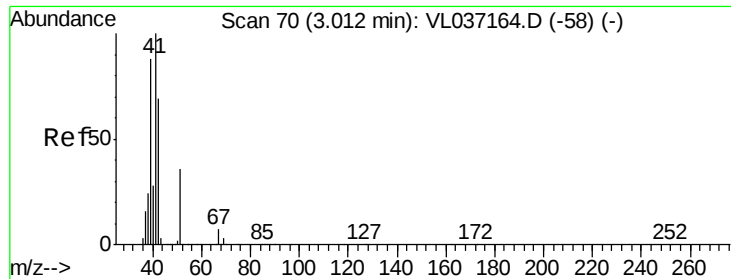
67 20.4 15.8 23.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.981 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL037240.D

Acq: 23 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

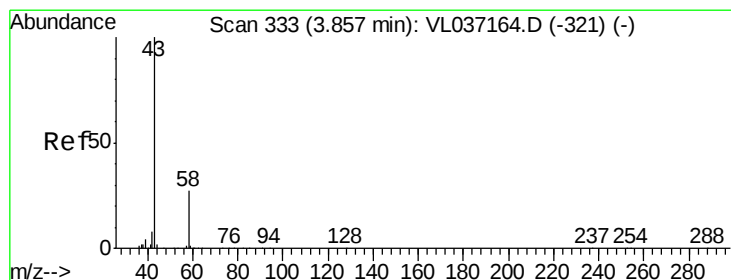
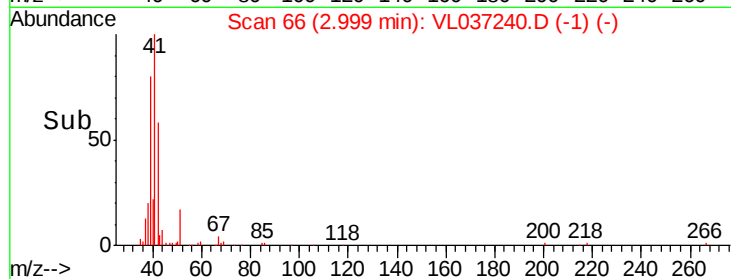
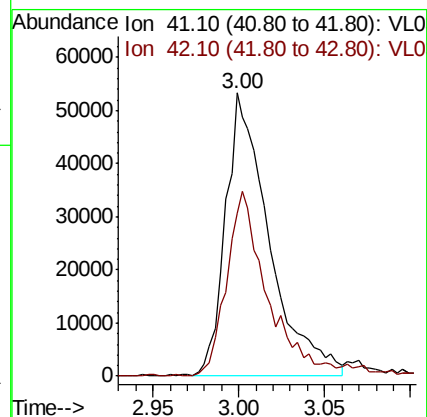
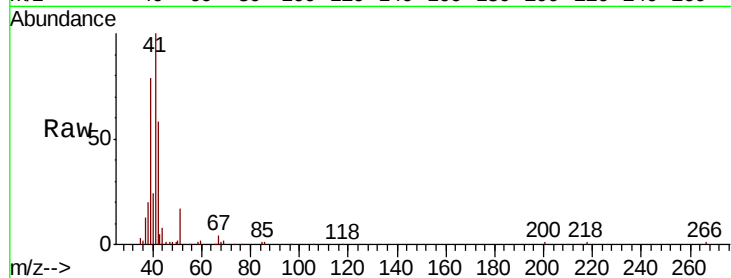
SV3DL

Tot Ion: 41 Resp: 93724

Ion Ratio Lower Upper

41 100

42 65.8 54.5 81.7



#15

Acetone

Concen: 2.938 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL037240.D

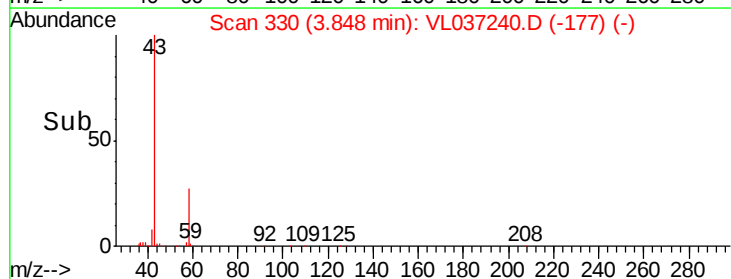
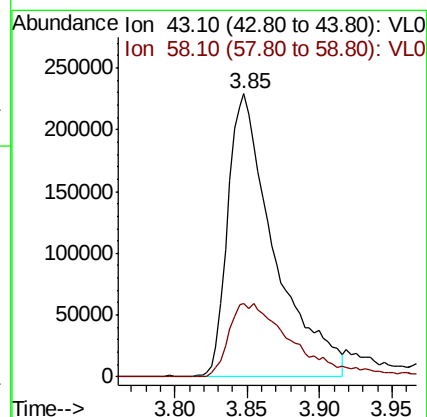
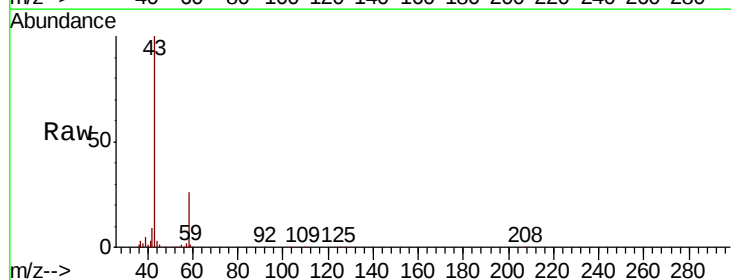
Acq: 23 Jun 2021 10:42

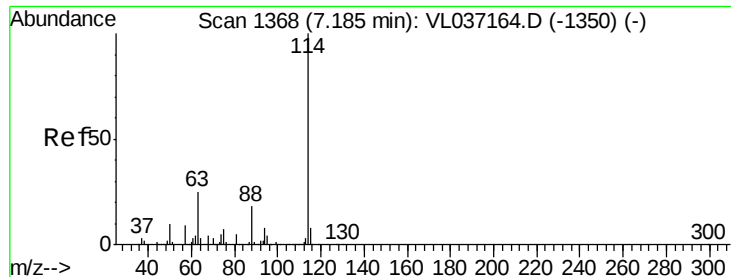
Tgt Ion: 43 Resp: 509288

Ion Ratio Lower Upper

43 100

58 37.6 23.7 35.5#

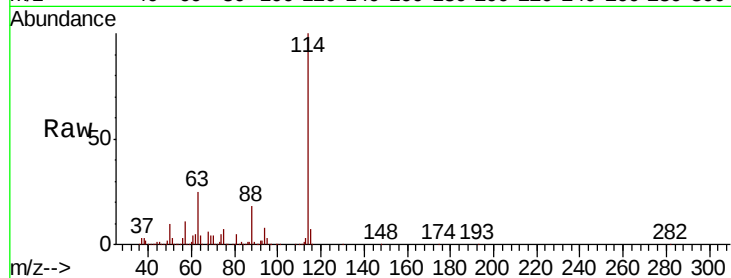




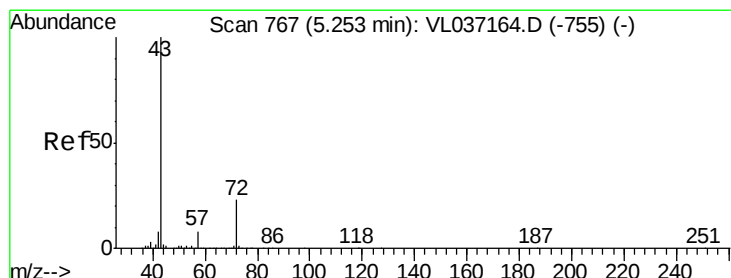
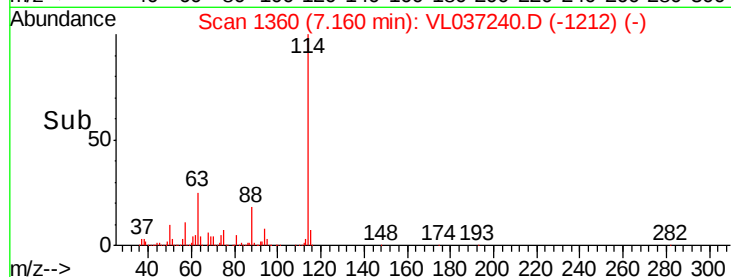
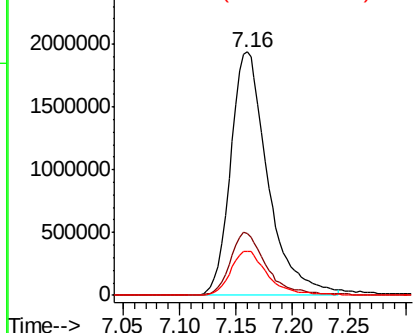
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.03 min
 Lab File: VL037240.D
 Acq: 23 Jun 2021 10:42

Instrument :
 MSVOA_L
 ClientSampled :
 SV3DL

Tot Ion:114 Resp: 4439757
 Ion Ratio Lower Upper
 114 100
 63 25.4 19.6 29.4
 88 18.5 14.2 21.2

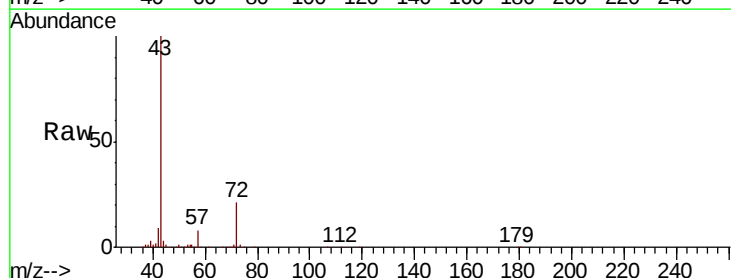


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

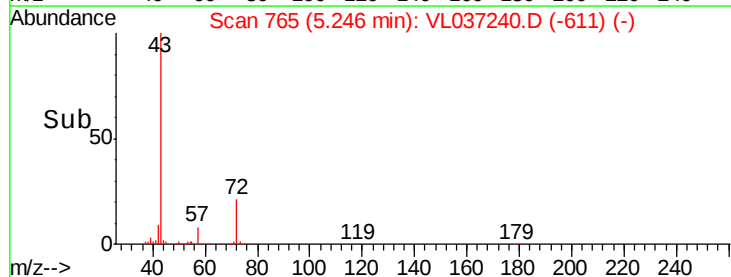
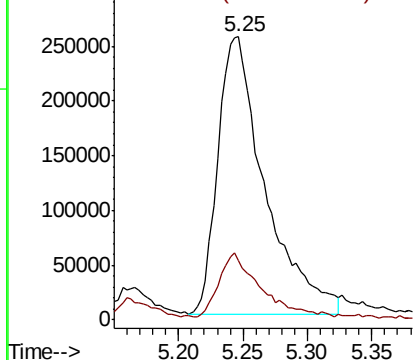


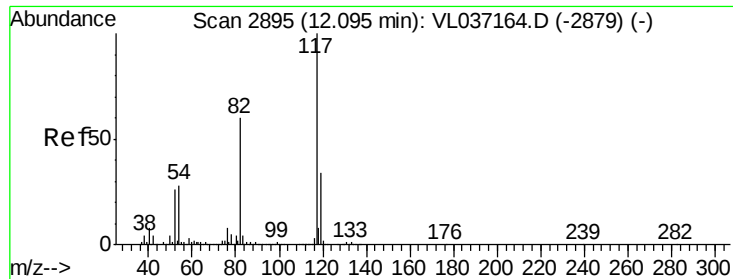
#34
 2-Butanone
 Concen: 3.737 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: VL037240.D
 Acq: 23 Jun 2021 10:42

Tgt Ion: 43 Resp: 645296
 Ion Ratio Lower Upper
 43 100
 72 24.0 18.9 28.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

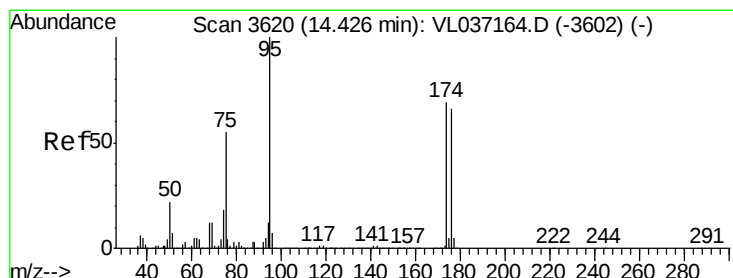
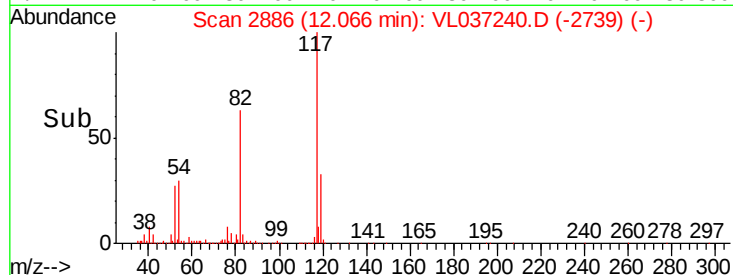
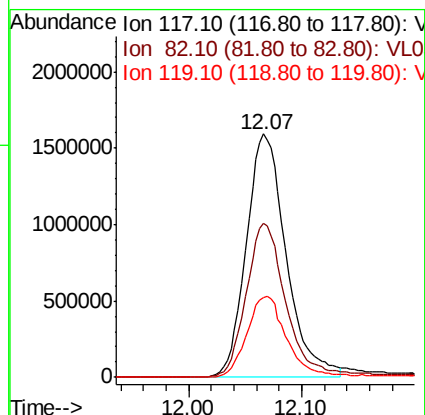
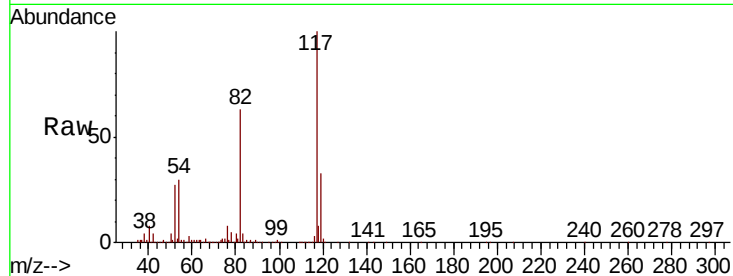




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.03 min
Lab File: VL037240.D
Acq: 23 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tot Ion:117 Resp: 3899365
Ion Ratio Lower Upper
117 100
82 66.0 51.7 77.5
119 34.6 47.6 71.4#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.736 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.03 min
Lab File: VL037240.D
Acq: 23 Jun 2021 10:42

Tgt Ion: 95 Resp: 2876867
Ion Ratio Lower Upper
95 100
174 75.2 57.0 85.4
175 5.2 4.4 6.6

