

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091721\
 Data File : VL037650.D
 Acq On : 18 Sep 2021 8:46
 Operator : SY/AP
 Sample : OC091321 CAN 10428
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 20 01:43:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1305541	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3817400	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3304054	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2276235	9.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

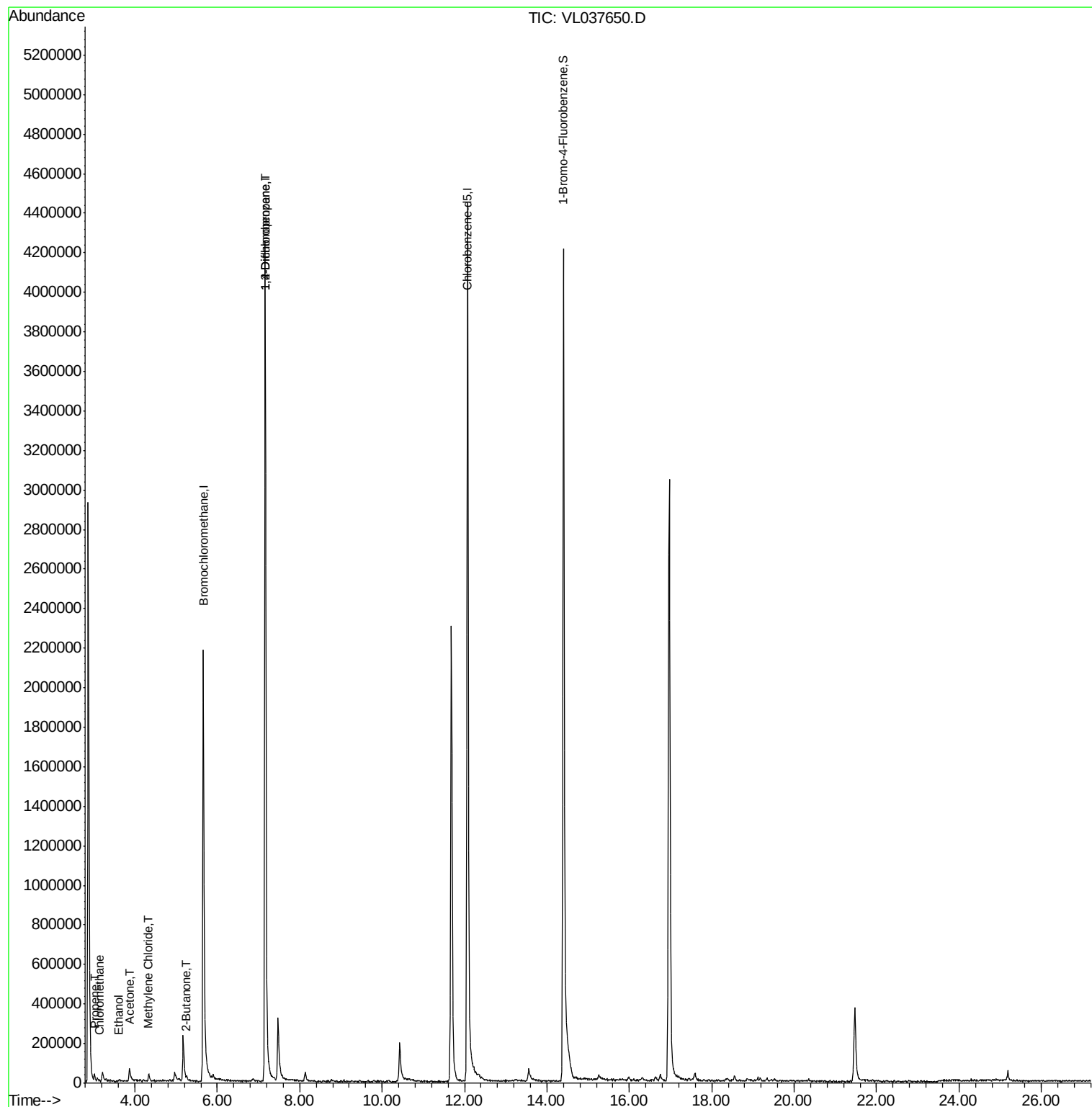
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.13	50	5600	0.062	ppbv #	49
9) Propene	3.02	41	8379	0.096	ppbv #	67
13) Ethanol	3.62	45	4340	0.511	ppbv	64
15) Acetone	3.86	43	35914	0.265	ppbv #	44
20) Methylene Chloride	4.34	84	8114	0.125	ppbv #	76
34) 2-Butanone	5.25	43	5506	0.035	ppbv #	1
39) 1,2-Dichloropropane	7.16	63	898411	7.369	ppbv #	26

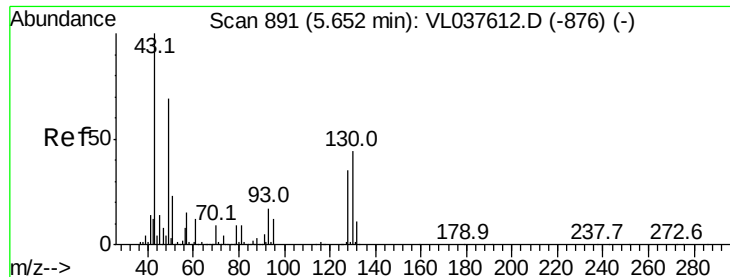
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL037650.D

Acq: 18 Sep 2021 8:46

Instrument :
MSVOA_L
ClientSampled :

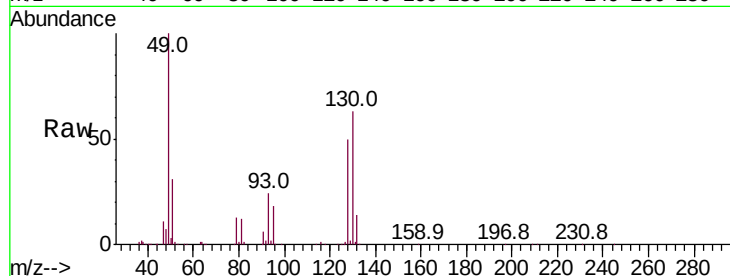
Tot Ion: 49 Resp: 1305541

Ion Ratio Lower Upper

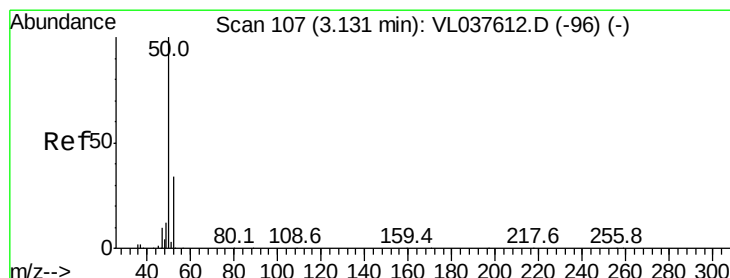
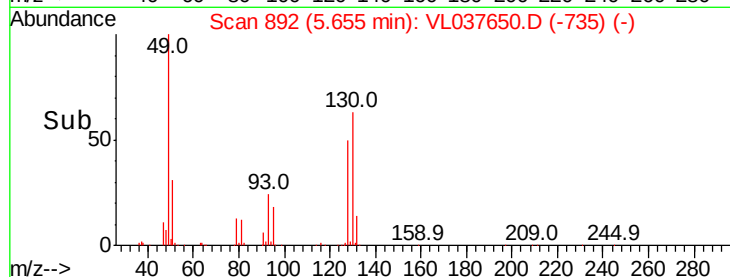
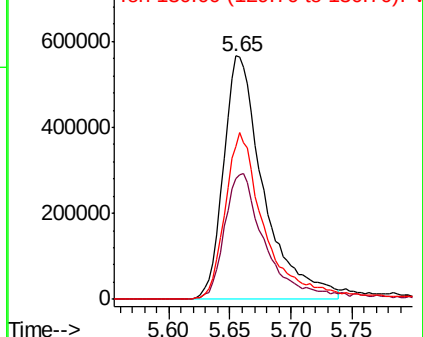
49 100

128 54.7 27.9 83.6

130 68.3 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#4

Chloromethane

Concen: 0.062 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL037650.D

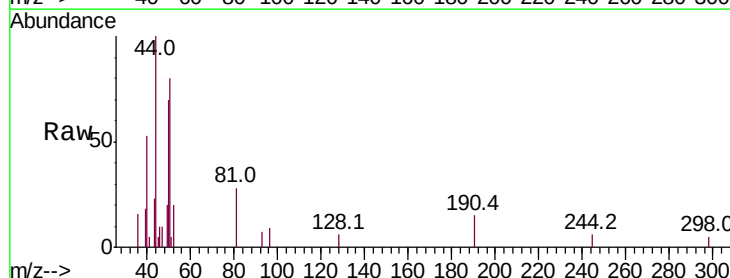
Acq: 18 Sep 2021 8:46

Tgt Ion: 50 Resp: 5600

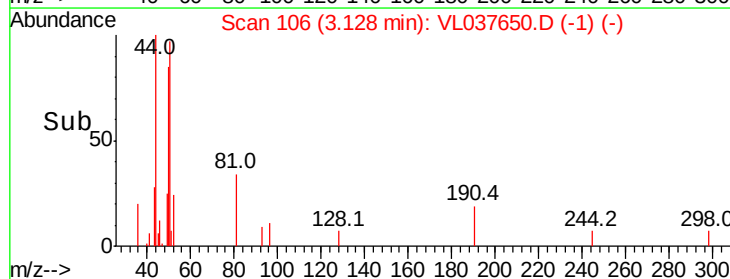
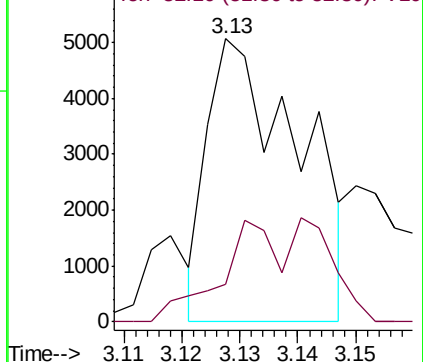
Ion Ratio Lower Upper

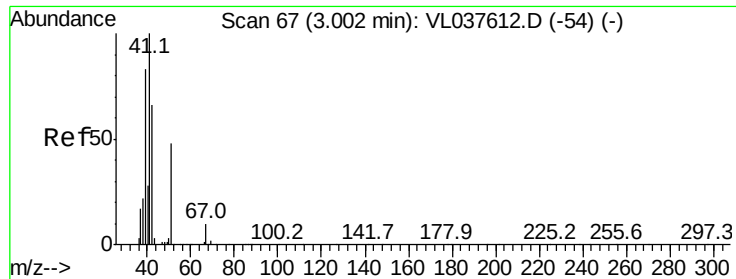
50 100

52 5.0 27.1 40.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.096 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL037650.D

Acq: 18 Sep 2021 8:46

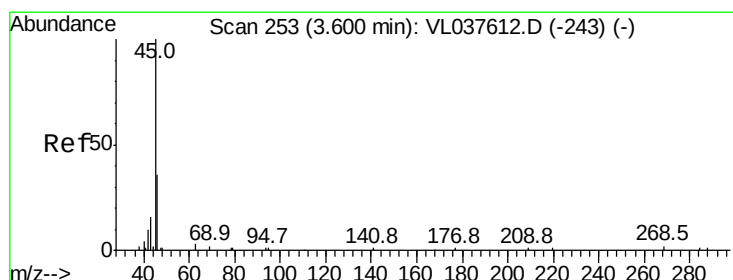
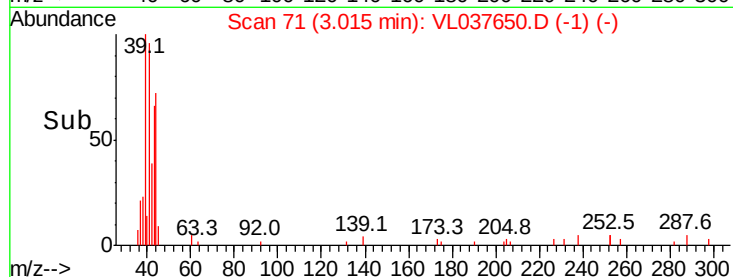
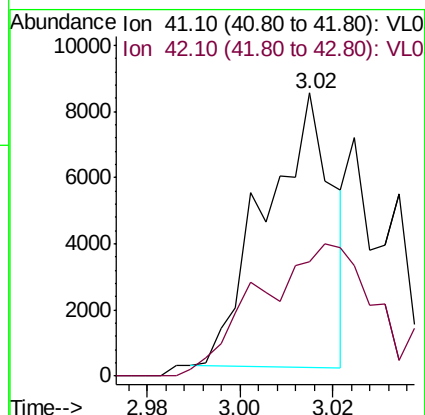
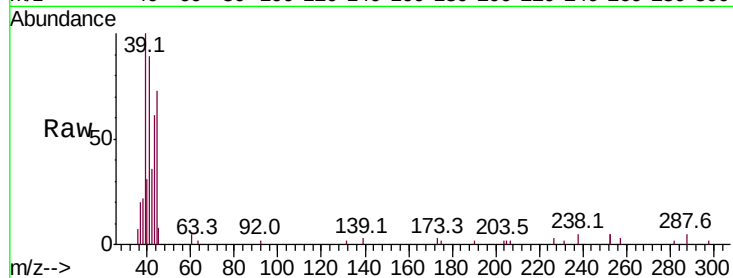
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 8379

Ion Ratio Lower Upper

41 100

42 98.9 57.2 85.8#



#13

Ethanol

Concen: 0.511 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL037650.D

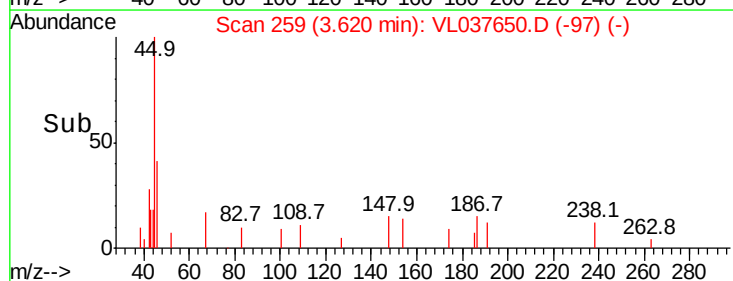
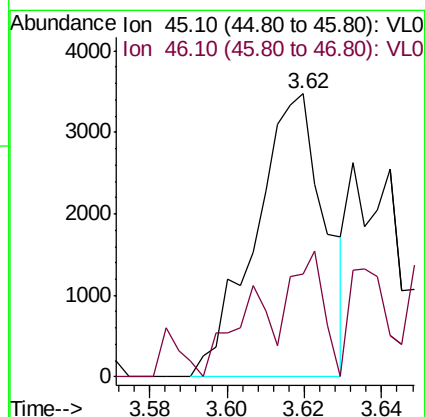
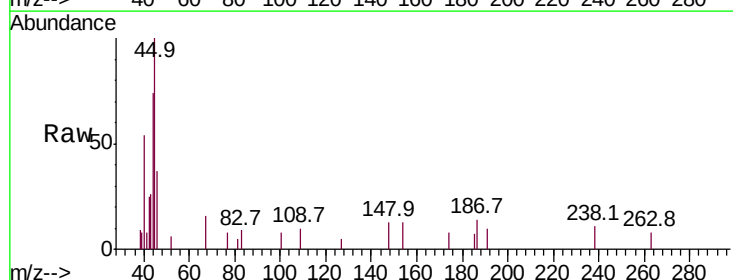
Acq: 18 Sep 2021 8:46

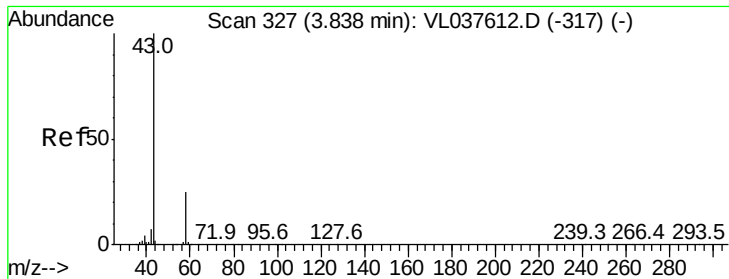
Tgt Ion: 45 Resp: 4340

Ion Ratio Lower Upper

45 100

46 65.8 17.2 68.8





#15

Acetone

Concen: 0.265 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.03 min

Lab File: VL037650.D

Acq: 18 Sep 2021 8:46

Instrument :

MSVOA_L

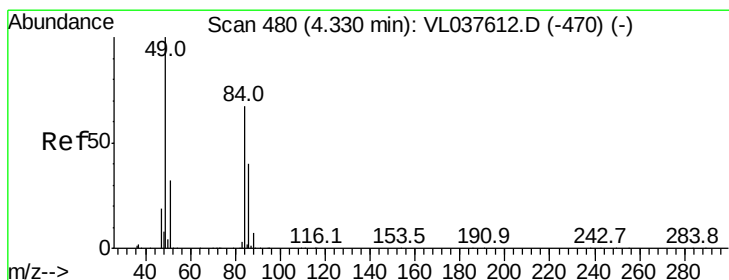
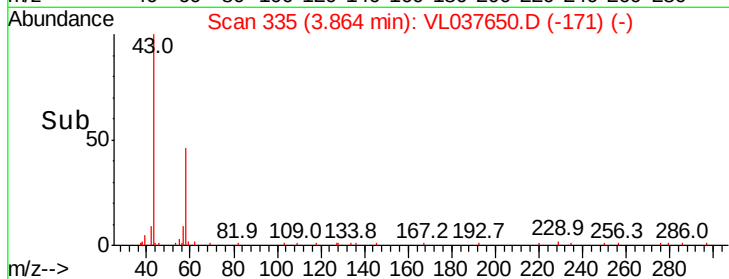
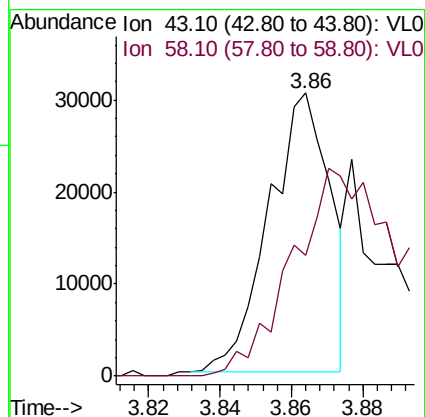
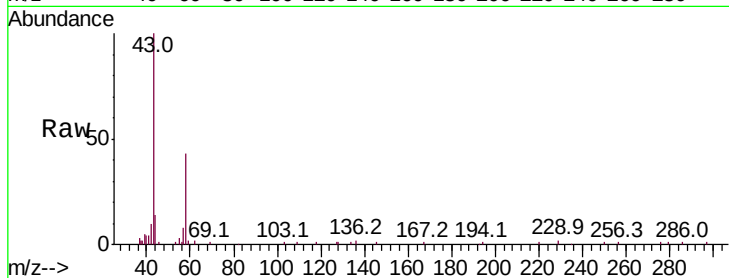
ClientSampleId :

Tot Ion: 43 Resp: 35914

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#



#20

Methylene Chloride

Concen: 0.125 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL037650.D

Acq: 18 Sep 2021 8:46

Tgt Ion: 84 Resp: 8114

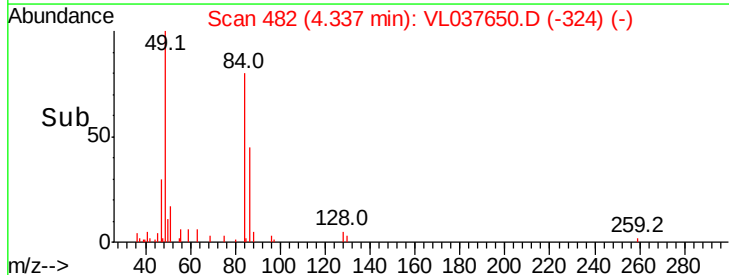
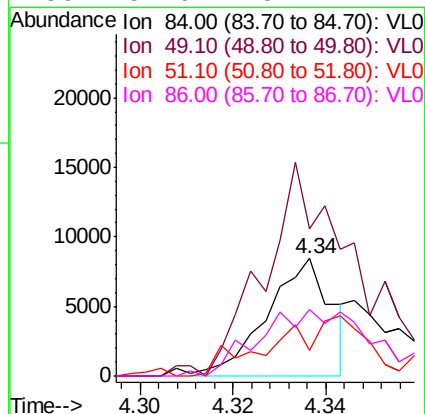
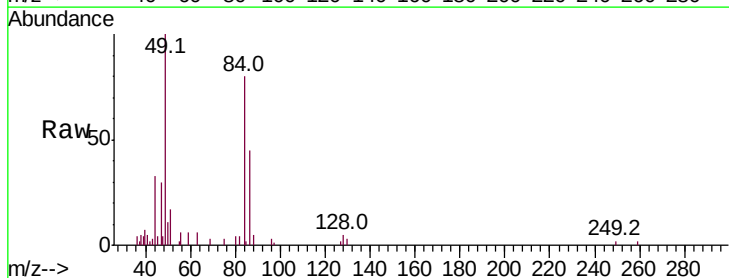
Ion Ratio Lower Upper

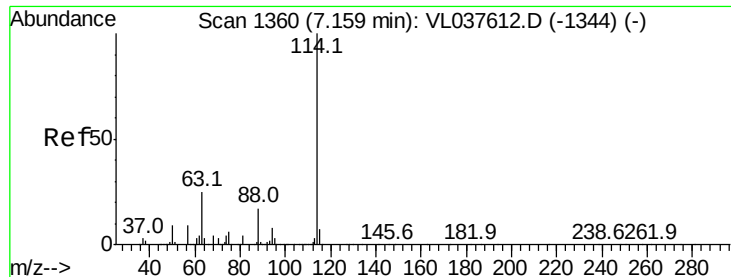
84 100

49 118.9 120.0 180.0#

51 22.3 38.0 57.0#

86 52.6 48.2 72.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. 0.01 min

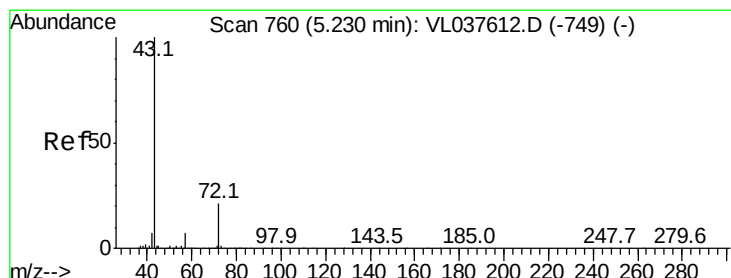
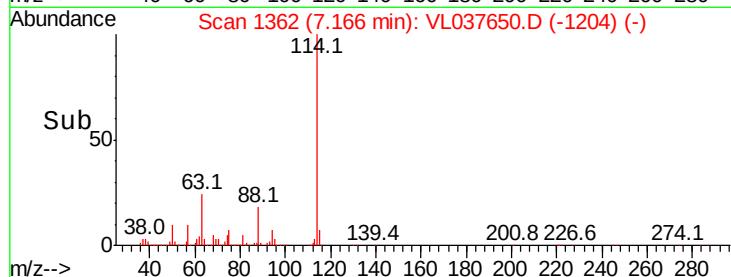
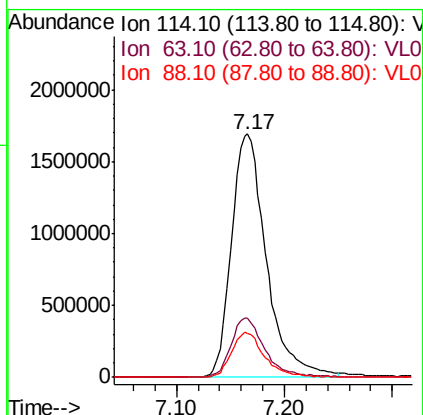
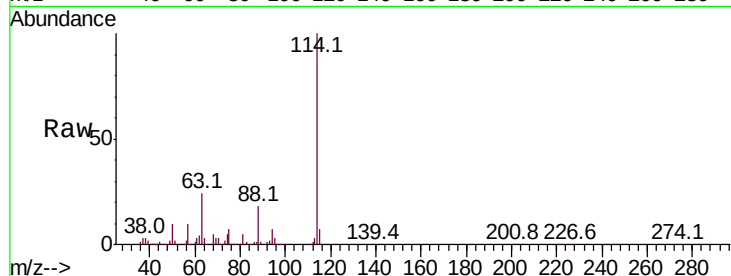
Lab File: VL037650.D

Acq: 18 Sep 2021 8:46

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:114 Resp: 3817400

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.6	29.4
88	17.7	14.2	21.4



#34

2-Butanone

Concen: 0.035 ppbv

RT: 5.25 min Scan# 765

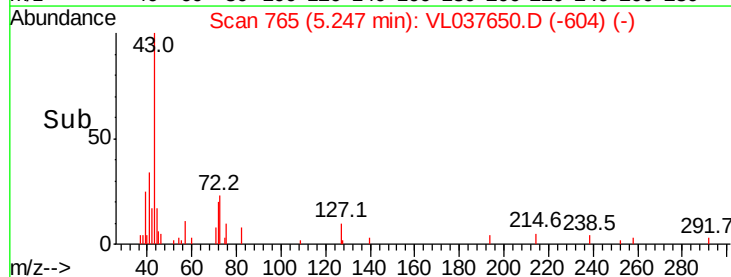
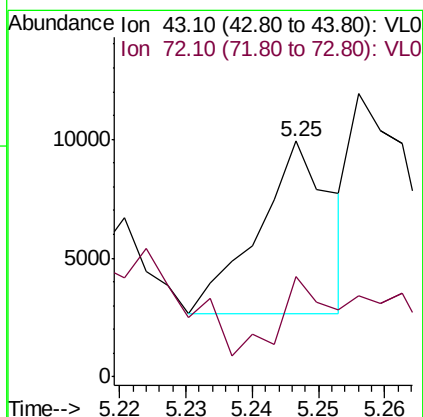
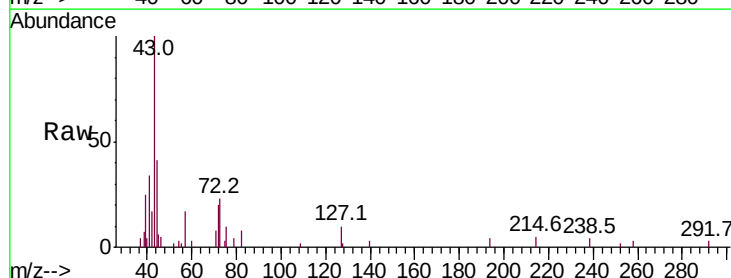
Delta R.T. 0.02 min

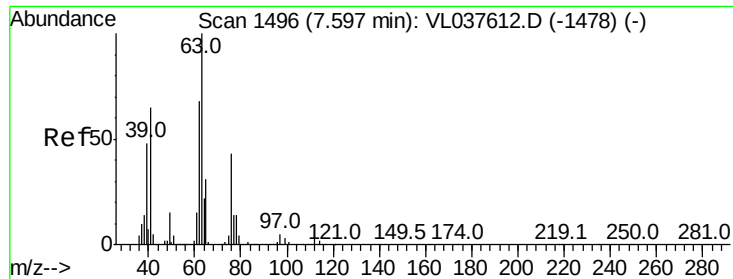
Lab File: VL037650.D

Acq: 18 Sep 2021 8:46

Tgt Ion: 43 Resp: 5506

Ion	Ratio	Lower	Upper
43	100		
72	97.5	18.4	27.6#

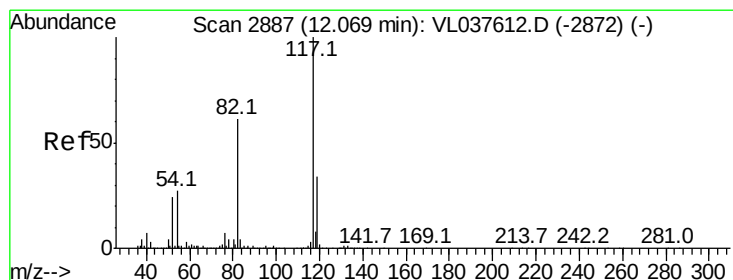
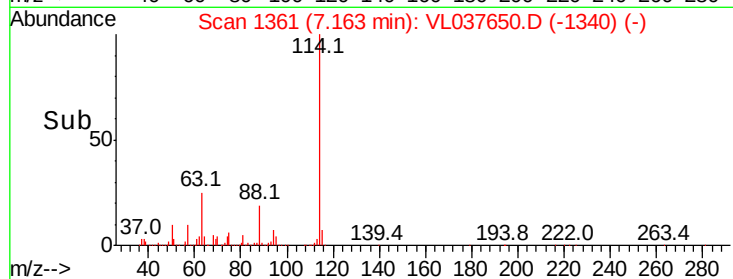
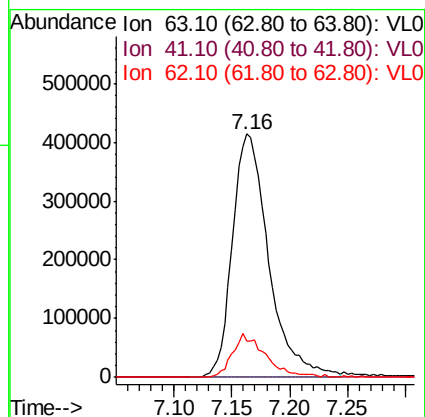
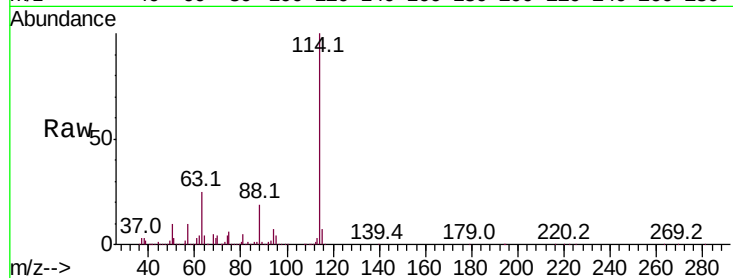




#39
 1,2-Dichloropropane
 Concen: 7.369 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.43 min
 Lab File: VL037650.D
 Acq: 18 Sep 2021 8:46

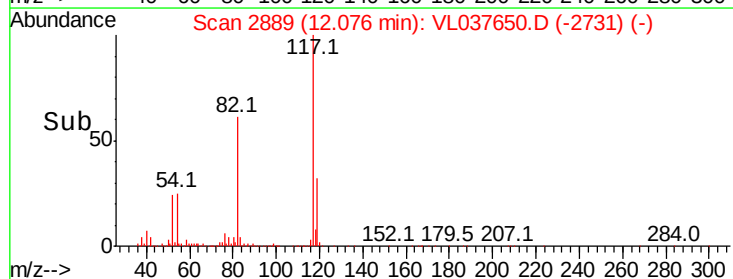
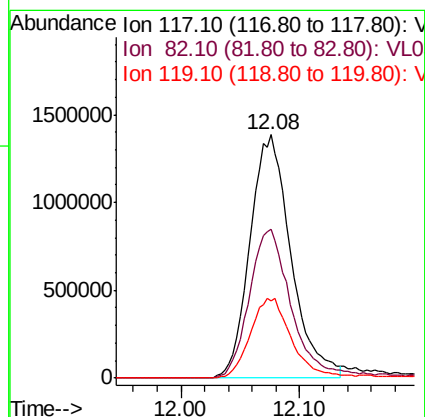
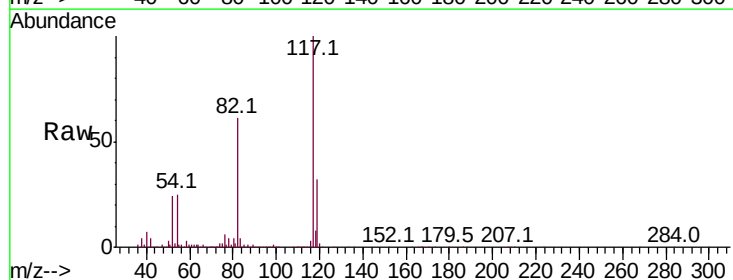
Instrument :
 MSVOA_L
 ClientSampled :

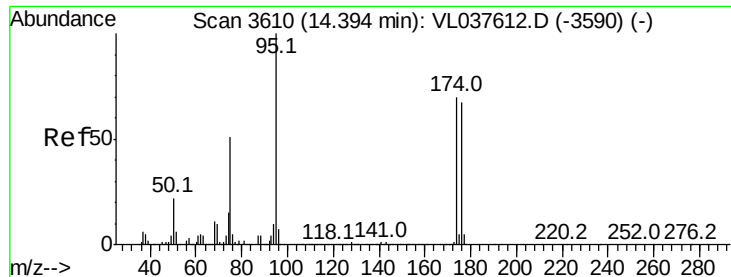
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.2	51.6	77.4#
62	15.1	54.6	81.8#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min Scan# 2889
 Delta R.T. 0.01 min
 Lab File: VL037650.D
 Acq: 18 Sep 2021 8:46

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.4	50.6	75.8
119	34.9	26.2	39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.533 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.01 min

Lab File: VL037650.D

Acq: 18 Sep 2021 8:46

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2276235

Ion Ratio Lower Upper

95 100

174 77.7 56.3 84.5

175 6.0 4.4 6.6

