

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092921\
 Data File : VL037734.D
 Acq On : 30 Sep 2021 9:20
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Oct 01 01:18:49 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	5.66	49	1150649	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3519100	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3009273	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2119061	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

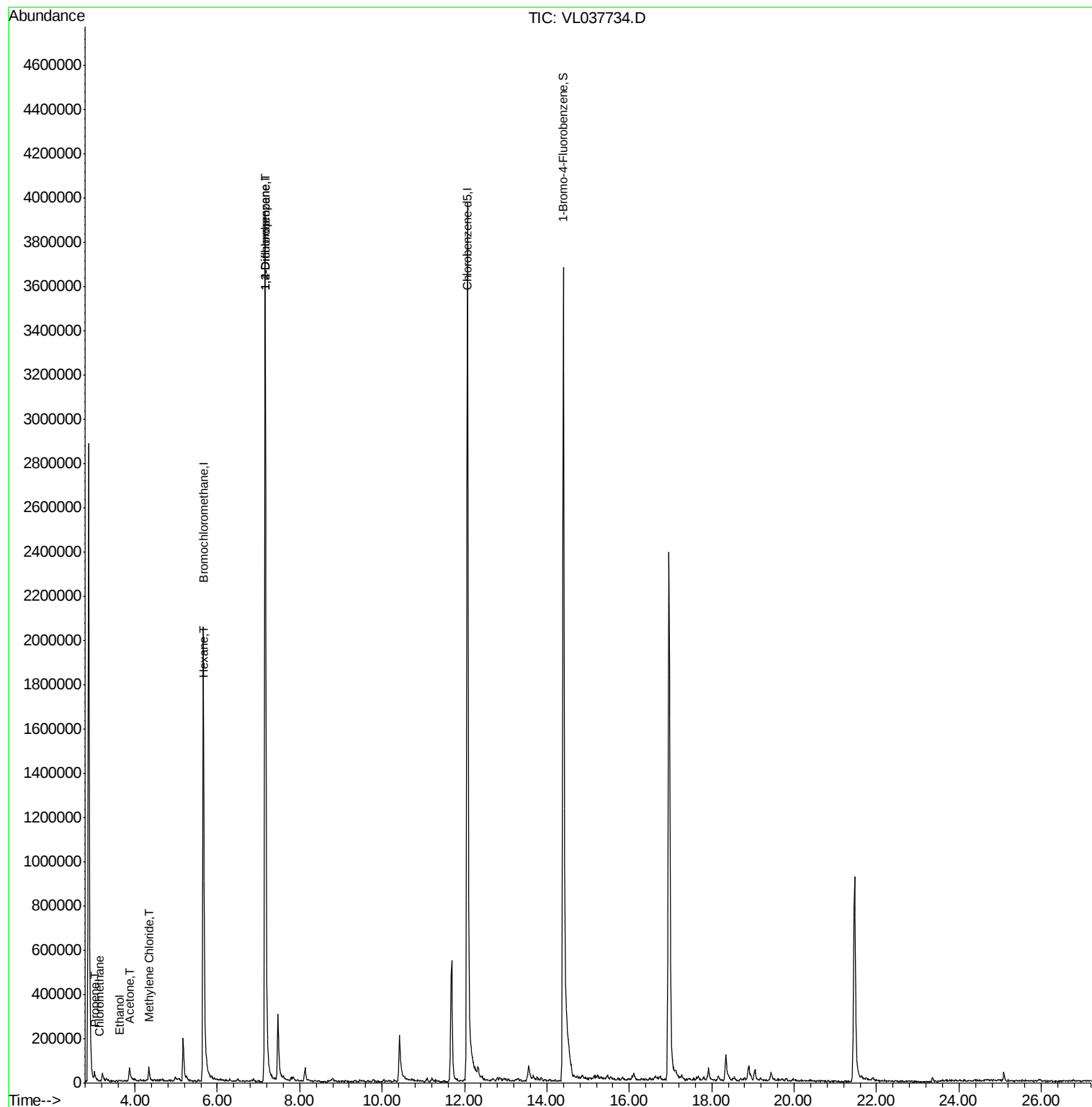
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	3.14	50	2437	0.030	ppbv #	80
9) Propene	3.02	41	11229	0.147	ppbv #	82
13) Ethanol	3.61	45	2241	0.299	ppbv #	33
15) Acetone	3.86	43	60494	0.506	ppbv #	1
20) Methylene Chloride	4.33	84	9424	0.165	ppbv #	78
26) Hexane	5.68	57	8540	0.062	ppbv #	66
39) 1,2-Dichloropropane	7.16	63	811671	7.222	ppbv #	27

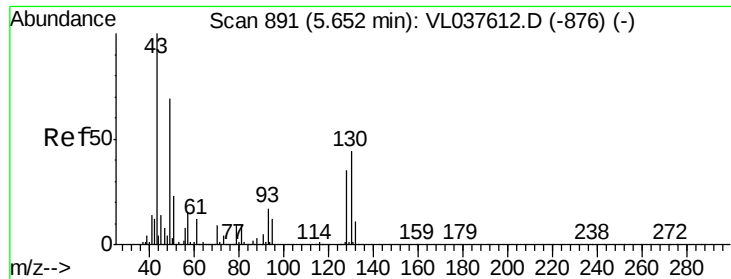
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL037734.D

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BFB

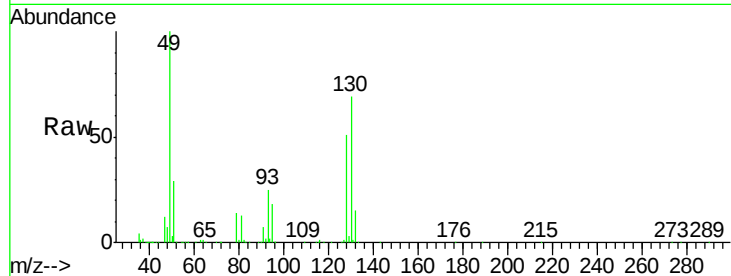
Tgt Ion: 49 Resp: 1150649

Ion Ratio Lower Upper

49 100

128 55.1 27.9 83.6

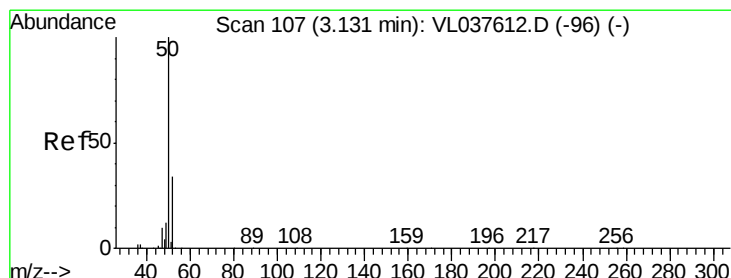
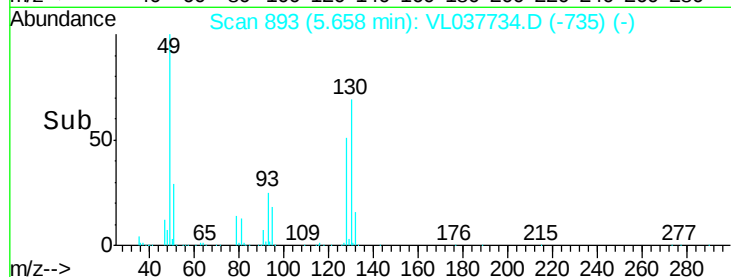
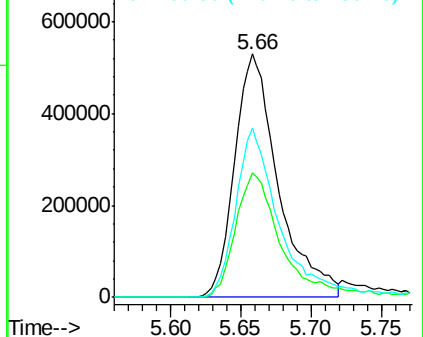
130 72.2 33.9 101.7



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



#4

Chloromethane

Concen: 0.030 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.01 min

Lab File: VL037734.D

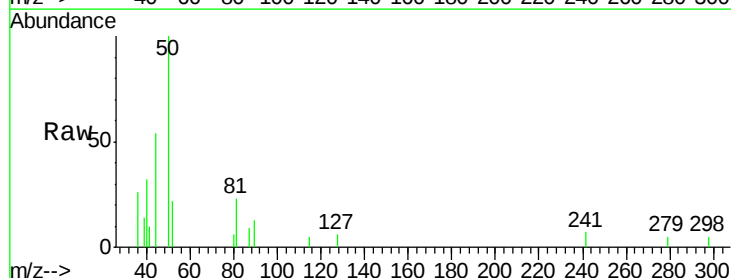
Acq: 30 Sep 2021 9:20

Tgt Ion: 50 Resp: 2437

Ion Ratio Lower Upper

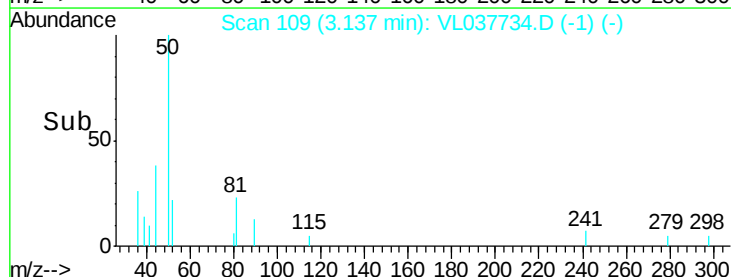
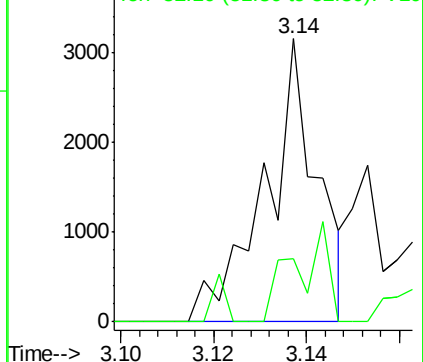
50 100

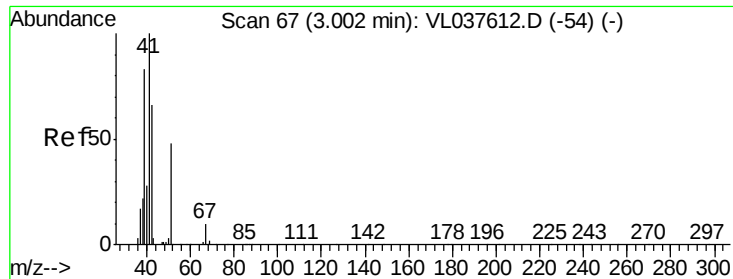
52 22.4 27.1 40.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.147 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037734.D

Acq: 30 Sep 2021 9:20

Instrument :

MSVOA_L

ClientSampleId :

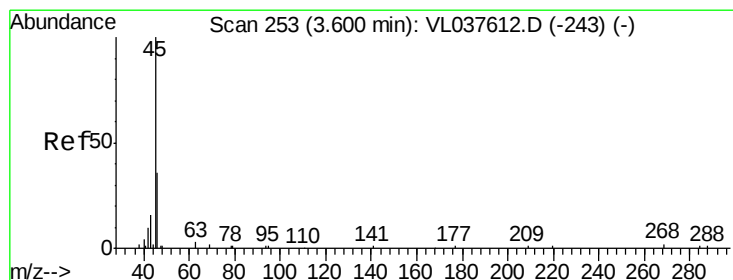
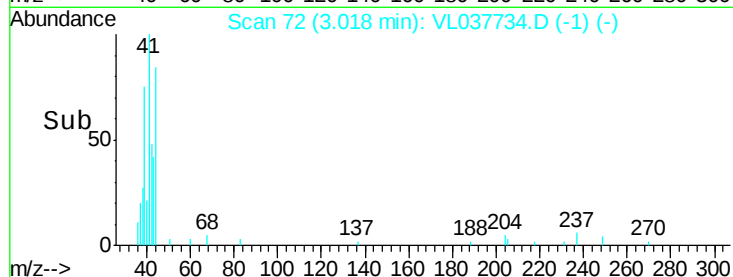
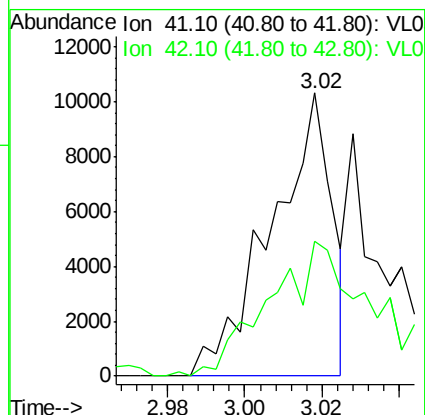
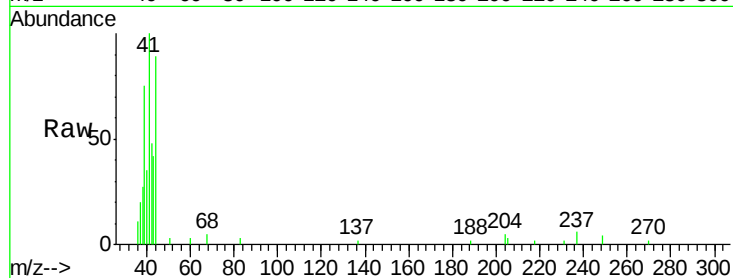
BFB

Tgt Ion: 41 Resp: 11229

Ion Ratio Lower Upper

41 100

42 86.1 57.2 85.8#



#13

Ethanol

Concen: 0.299 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL037734.D

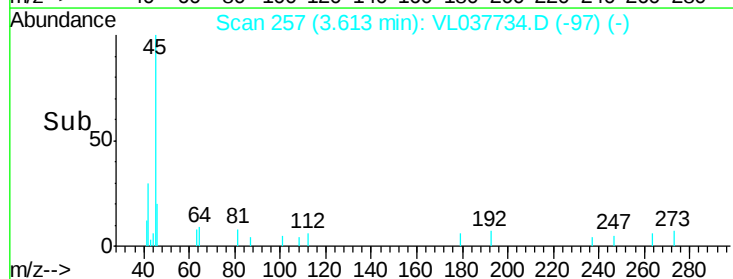
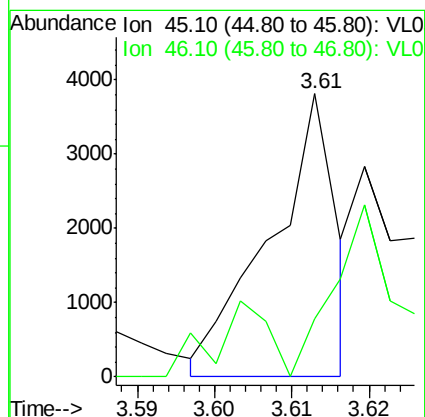
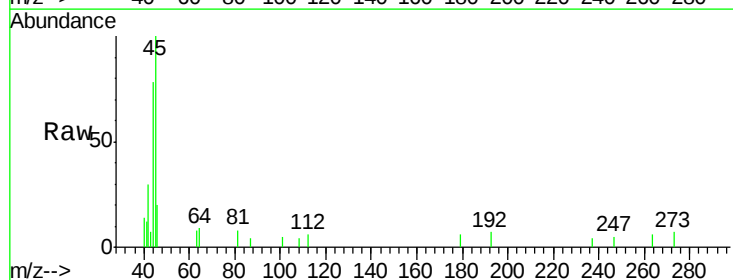
Acq: 30 Sep 2021 9:20

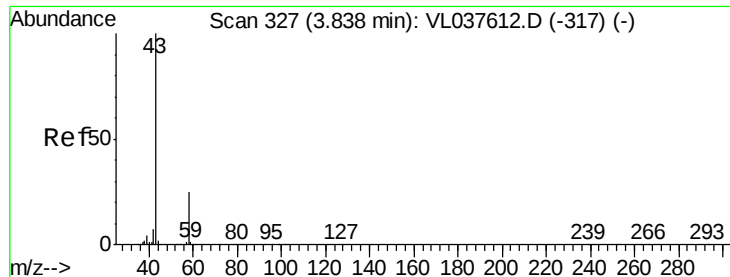
Tgt Ion: 45 Resp: 2241

Ion Ratio Lower Upper

45 100

46 0.0 17.2 68.8#





#15

Acetone

Concen: 0.506 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL037734.D

Acq: 30 Sep 2021 9:20

Instrument :

MSVOA_L

ClientSampleId :

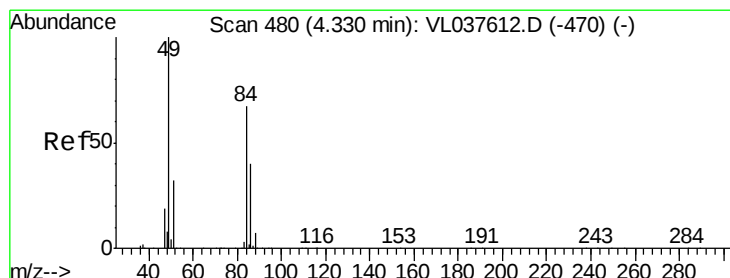
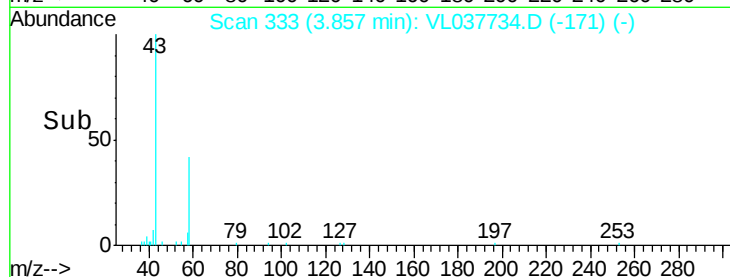
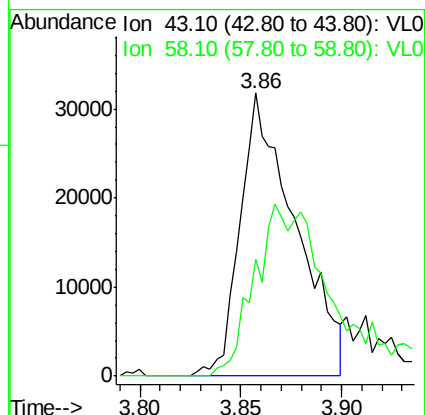
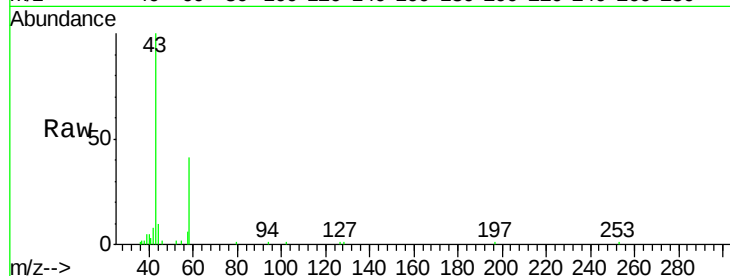
BFB

Tgt Ion: 43 Resp: 60494

Ion Ratio Lower Upper

43 100

58 92.4 24.9 37.3#



#20

Methylene Chloride

Concen: 0.165 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037734.D

Acq: 30 Sep 2021 9:20

Tgt Ion: 84 Resp: 9424

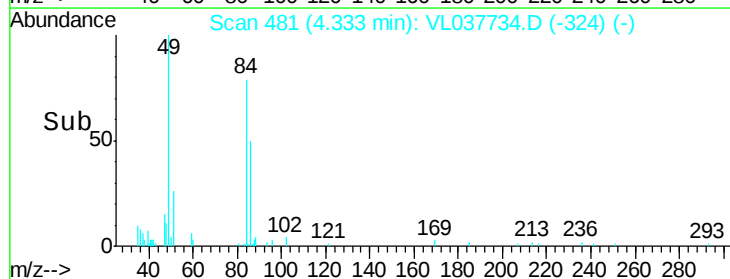
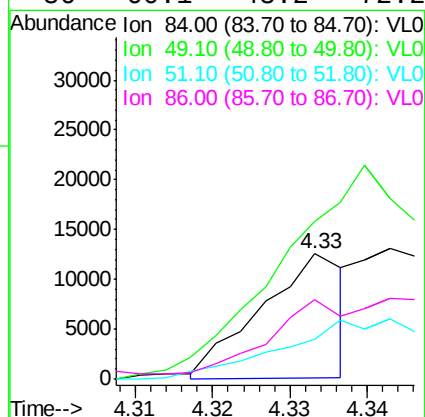
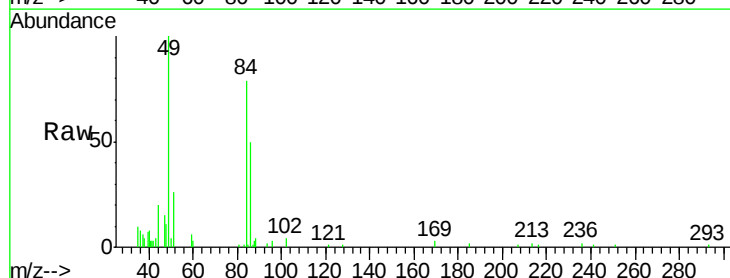
Ion Ratio Lower Upper

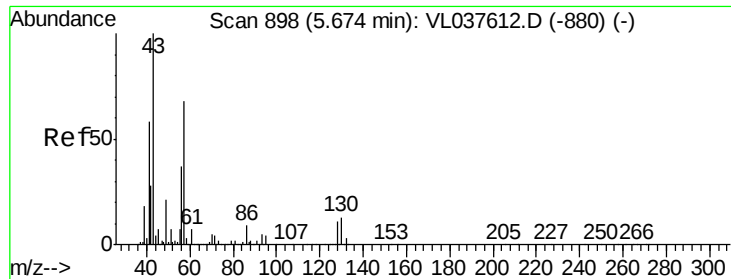
84 100

49 113.6 120.0 180.0#

51 26.7 38.0 57.0#

86 60.1 48.2 72.2

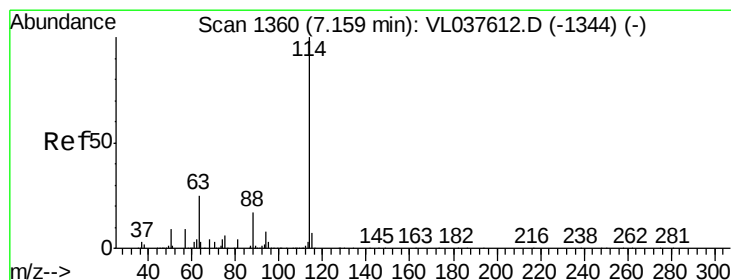
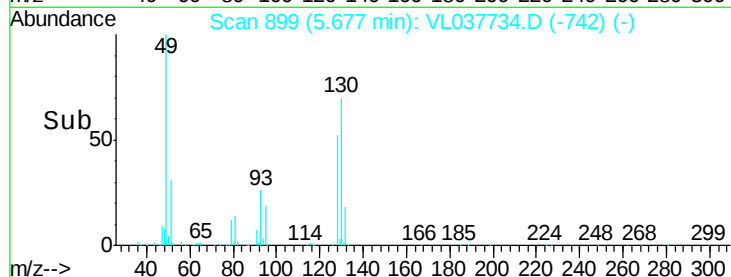
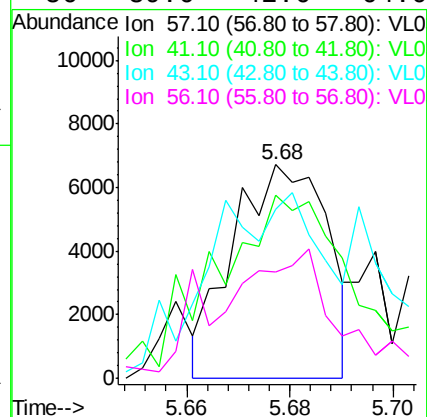
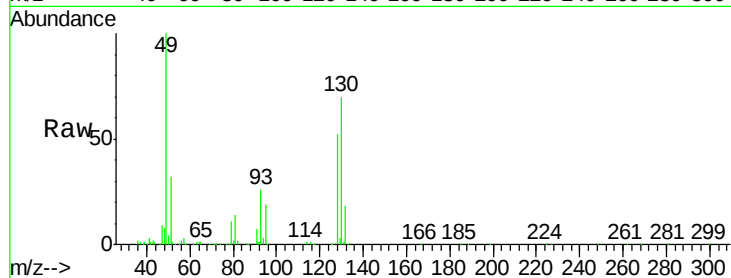




#26
Hexane
Concen: 0.062 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL037734.D
Acq: 30 Sep 2021 9:20

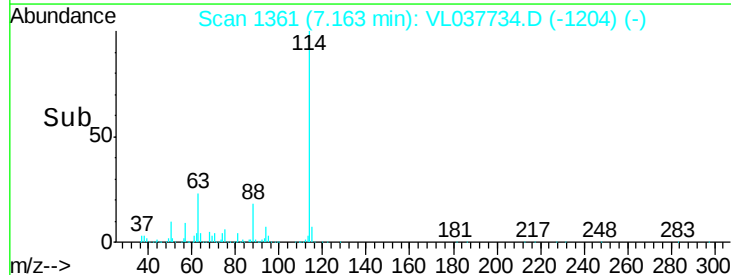
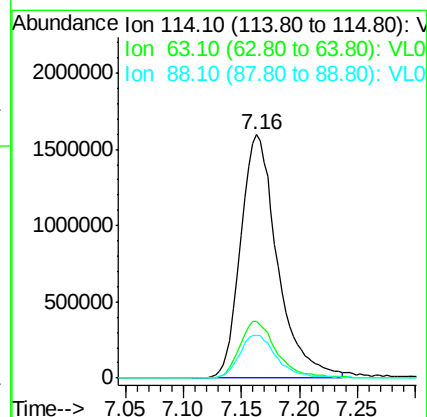
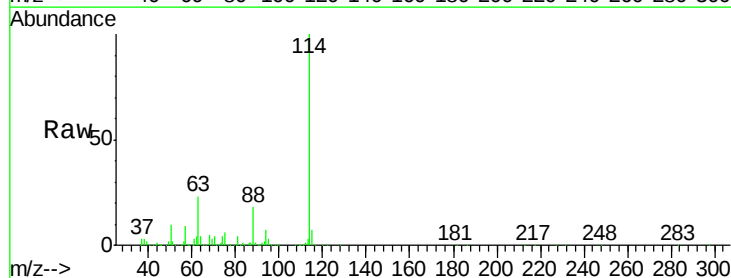
Instrument :
MSVOA_L
ClientSampleId :
BFB

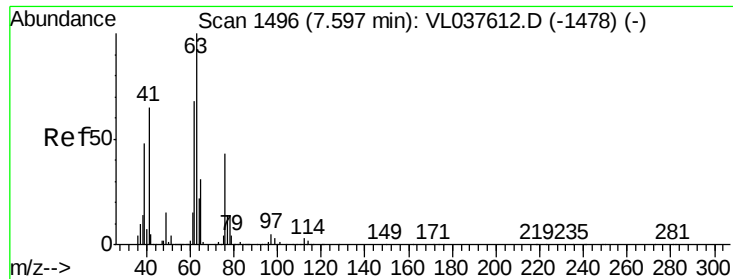
Tgt Ion:	57	Resp:	8540
Ion	Ratio	Lower	Upper
57	100		
41	140.9	70.9	106.3#
43	181.2	170.4	255.6
56	89.6	42.6	64.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VL037734.D
Acq: 30 Sep 2021 9:20

Tgt Ion:	114	Resp:	3519100
Ion	Ratio	Lower	Upper
114	100		
63	23.6	19.6	29.4
88	18.2	14.2	21.4

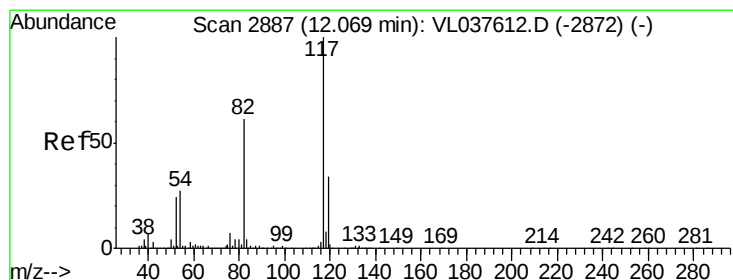
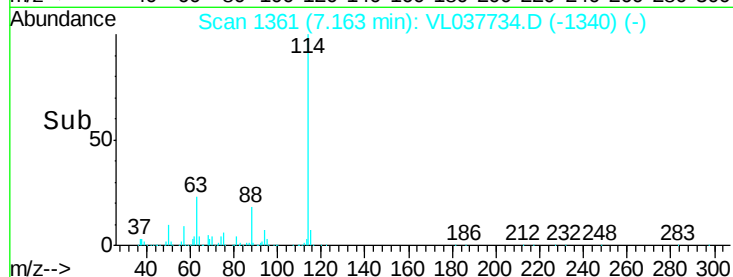
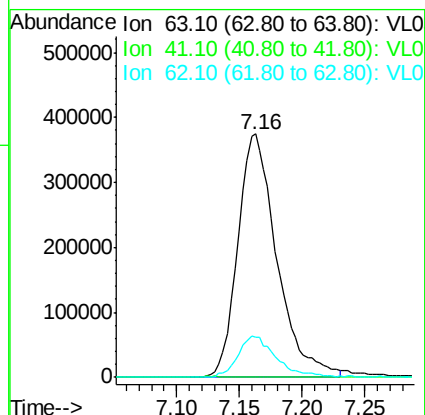
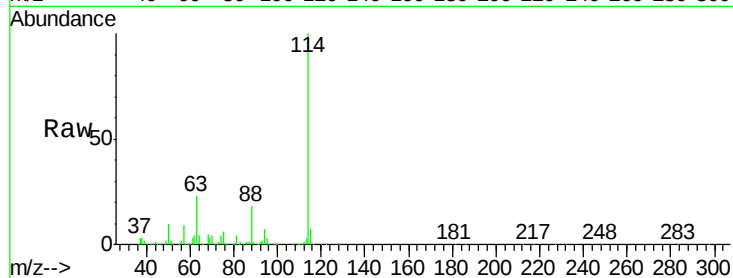




#39
 1,2-Dichloropropane
 Concen: 7.222 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.43 min
 Lab File: VL037734.D
 Acq: 30 Sep 2021 9:20

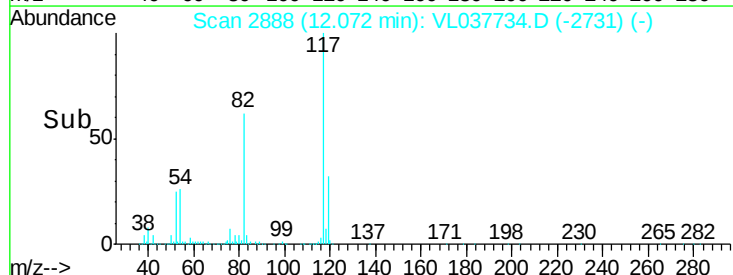
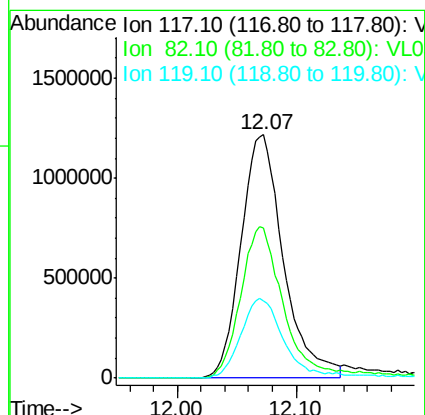
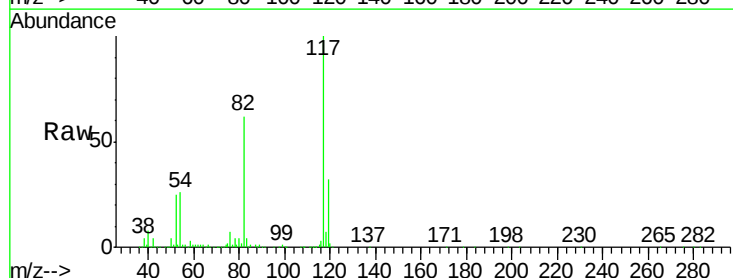
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

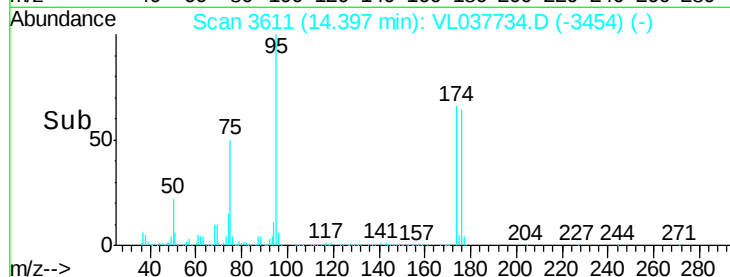
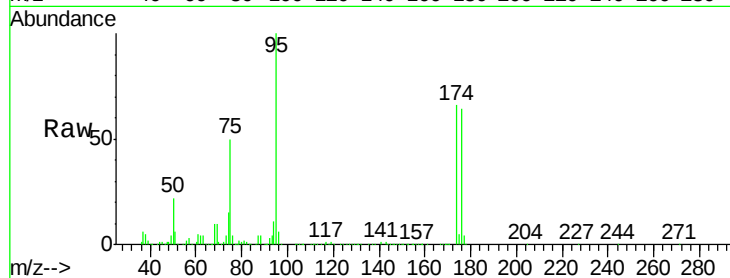
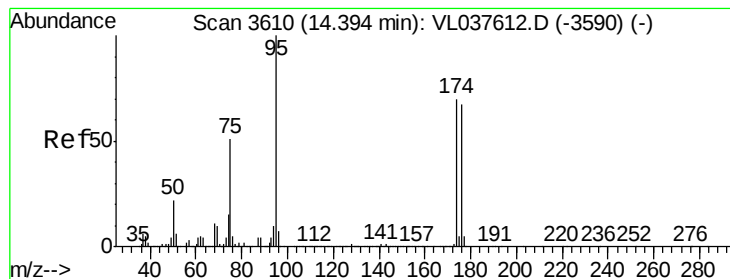
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	16.6	54.6	81.8#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2888
 Delta R.T. 0.00 min
 Lab File: VL037734.D
 Acq: 30 Sep 2021 9:20

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.0	50.6	75.8
119	35.0	26.2	39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.744 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037734.D

Acq: 30 Sep 2021 9:20

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion: 95 Resp: 2119061

Ion Ratio Lower Upper

95 100

174 78.4 56.3 84.5

175 5.6 4.4 6.6

