

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036327.D
 Acq On : 10 Feb 2021 21:15
 Operator : SY/AP
 Sample : M1343-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 11 06:11:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1721842	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3701018	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3430814	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2771543	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

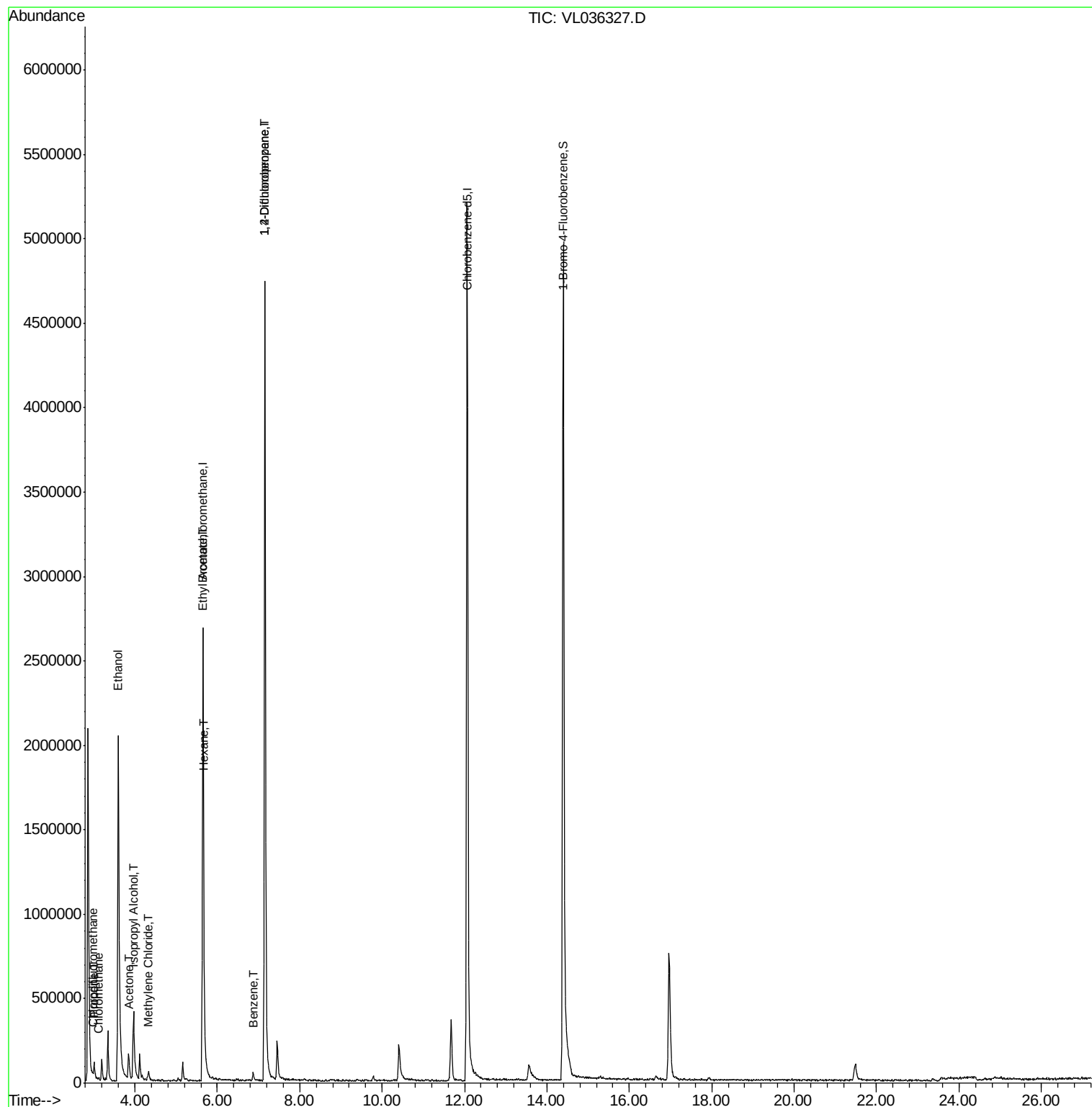
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	66282	0.310	ppbv #	87
4) Chloromethane	3.13	50	3584	0.035	ppbv #	78
9) Propene	3.01	41	30255	0.379	ppbv	84
13) Ethanol	3.59	45	3000910	200.299	ppbv	91
15) Acetone	3.84	43	141057	0.670	ppbv #	63
19) Isopropyl Alcohol	3.97	45	572082	4.906	ppbv #	97
20) Methylene Chloride	4.32	84	5119	0.075	ppbv #	60
25) Ethyl Acetate	5.66	43	26245	0.065	ppbv #	96
26) Hexane	5.67	57	10309	0.062	ppbv #	56
36) Benzene	6.87	78	15400	0.049	ppbv	97
39) 1,2-Dichloropropane	7.15	63	1069873	8.377	ppbv #	22

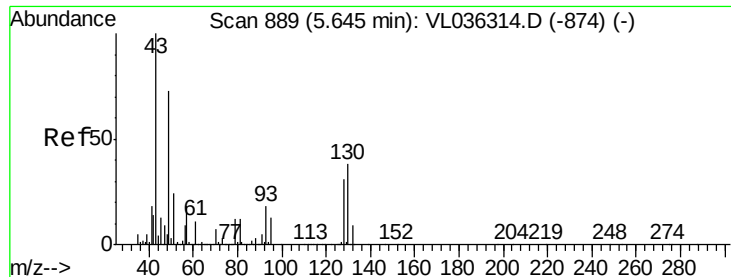
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL021021\
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ClientSampleId :

Quant Time: Feb 11 06:11:39 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. 0.00 min

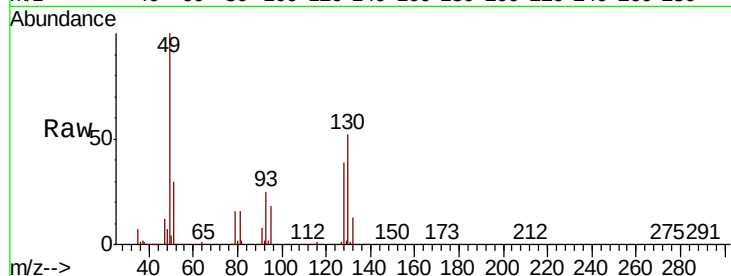
Lab File: VL036327.D

Acq: 10 Feb 2021 21:15

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 1721842

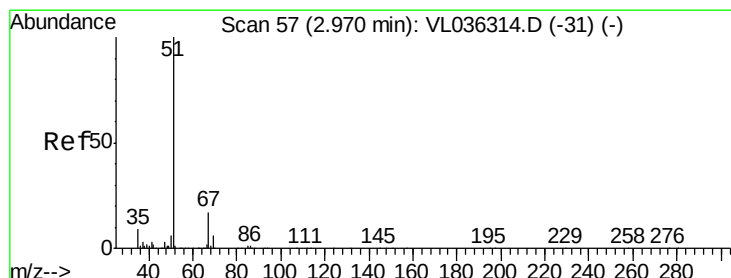
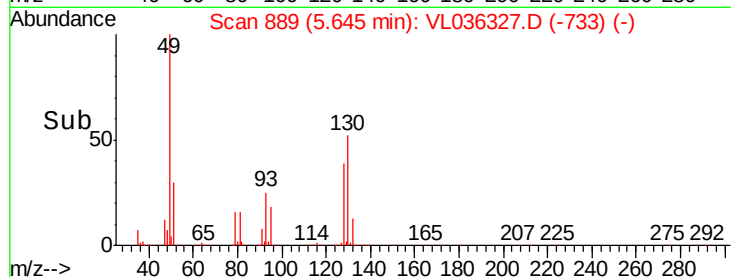
Ion	Ratio	Lower	Upper
49	100		
128	42.0	20.8	62.5
130	53.1	26.7	80.1



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



#3

Chlorodifluoromethane

Concen: 0.310 ppbv

RT: 2.98 min Scan# 59

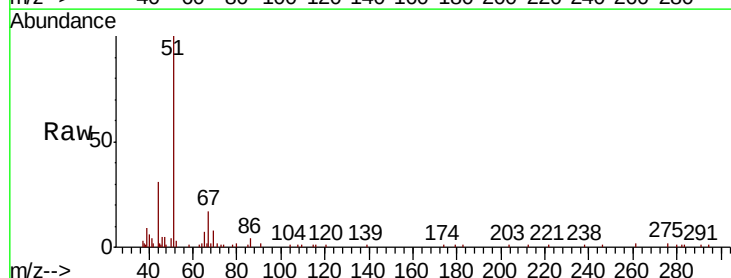
Delta R.T. 0.01 min

Lab File: VL036327.D

Acq: 10 Feb 2021 21:15

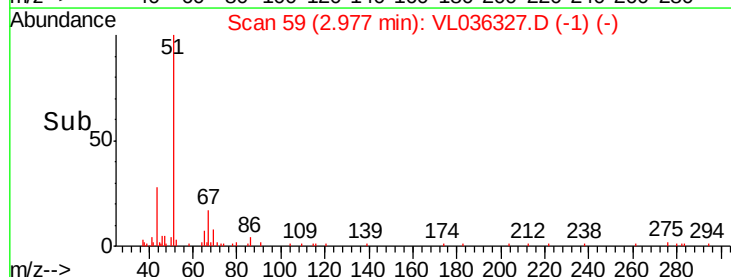
Tgt Ion: 51 Resp: 66282

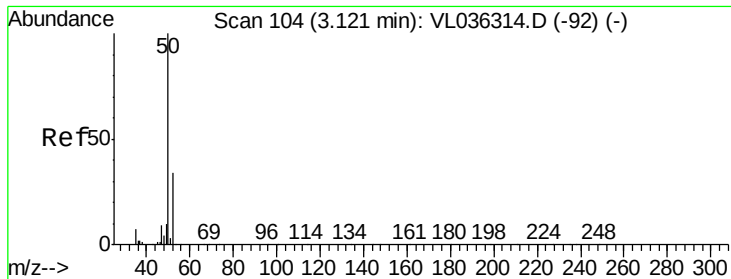
Ion	Ratio	Lower	Upper
51	100		
67	12.8	14.7	22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.035 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.01 min

Lab File: VL036327.D

Acq: 10 Feb 2021 21:15

Instrument :

MSVOA_L

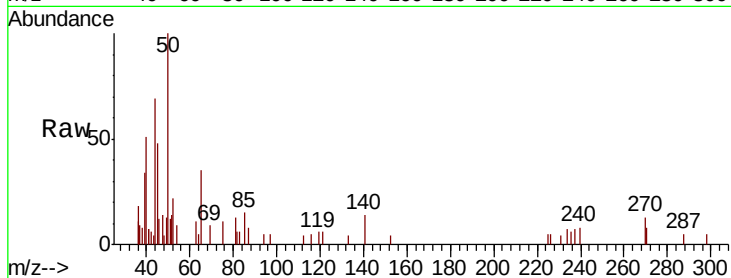
ClientSampleId :

Tot Ion: 50 Resp: 3584

Ion Ratio Lower Upper

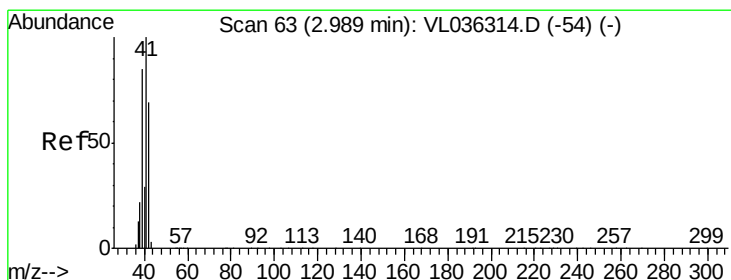
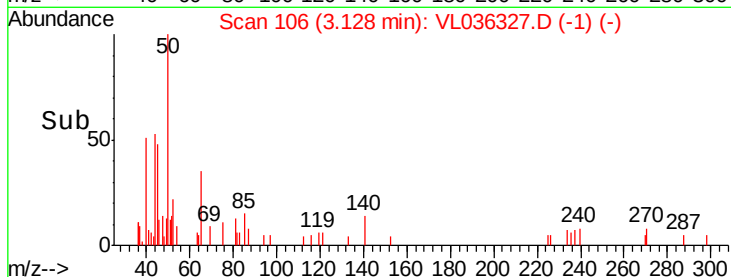
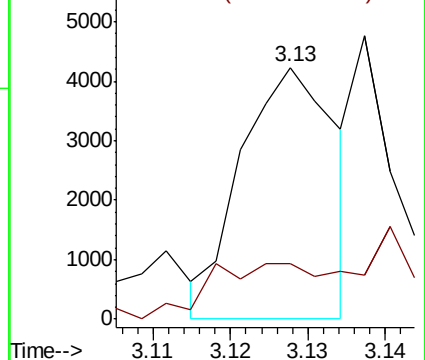
50 100

52 21.3 27.0 40.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.379 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.02 min

Lab File: VL036327.D

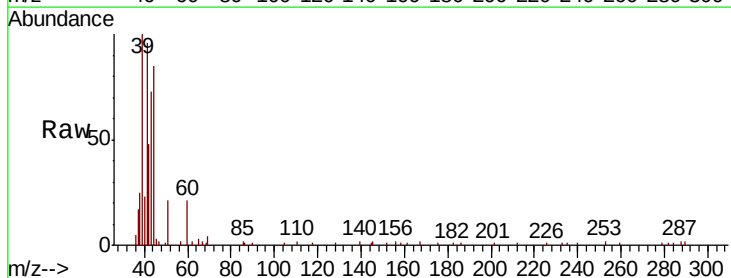
Acq: 10 Feb 2021 21:15

Tgt Ion: 41 Resp: 30255

Ion Ratio Lower Upper

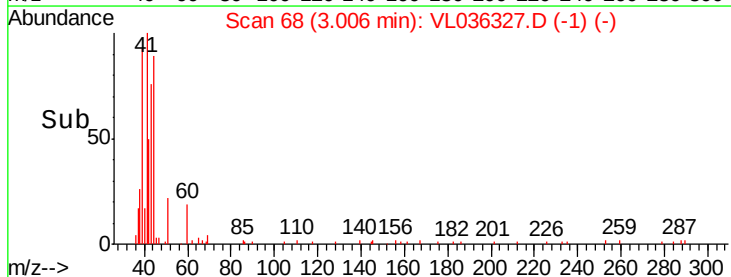
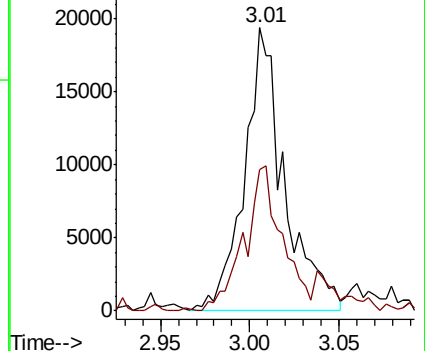
41 100

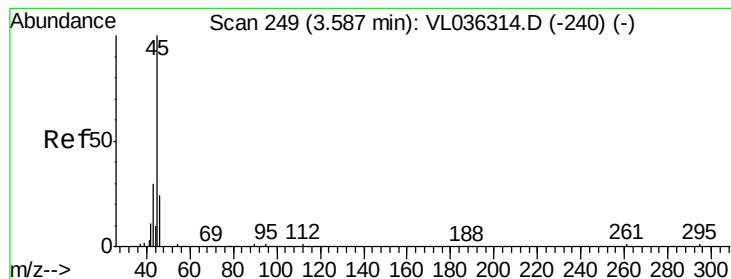
42 57.4 56.2 84.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 200.299 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.01 min

Lab File: VL036327.D

Acq: 10 Feb 2021 21:15

Instrument :

MSVOA_L

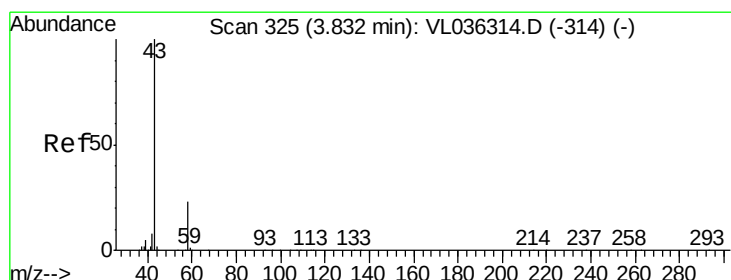
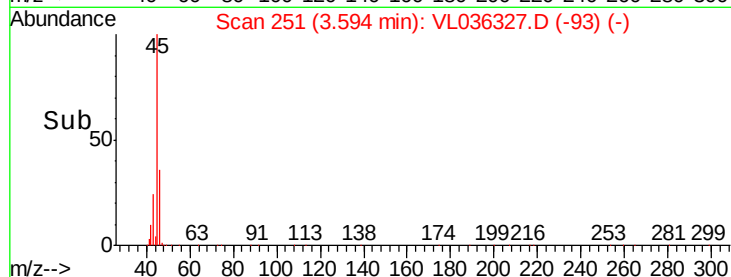
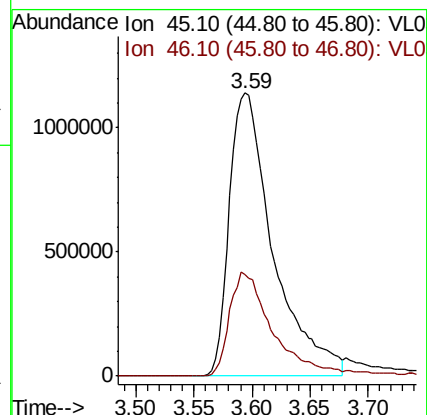
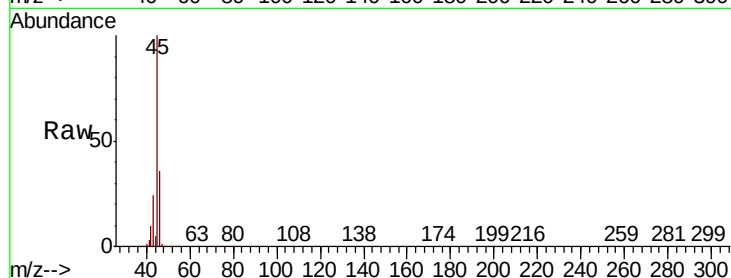
ClientSampleId :

Tot Ion: 45 Resp: 3000910

Ion Ratio Lower Upper

45 100

46 38.5 17.7 70.7



#15

Acetone

Concen: 0.670 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.01 min

Lab File: VL036327.D

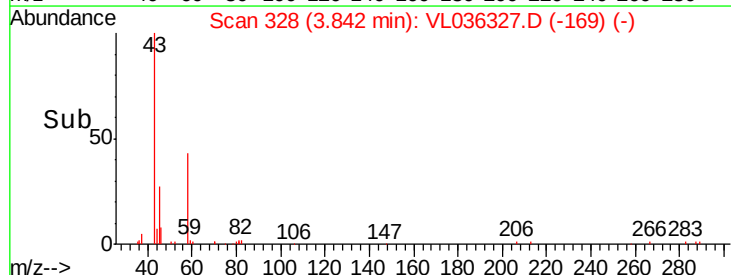
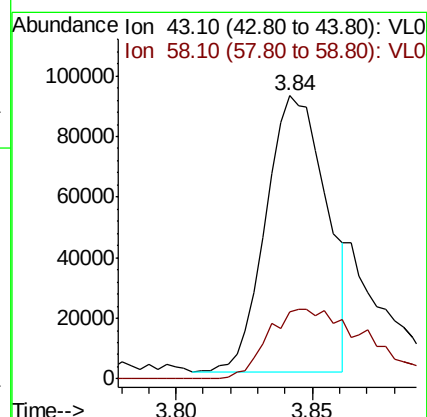
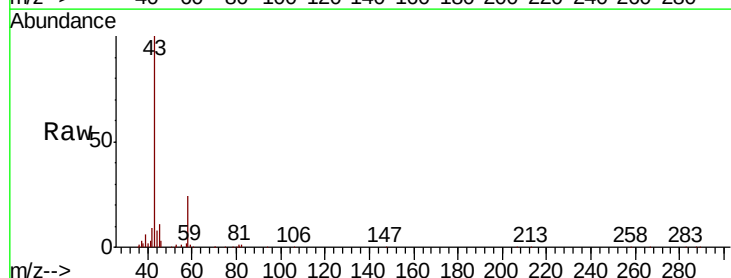
Acq: 10 Feb 2021 21:15

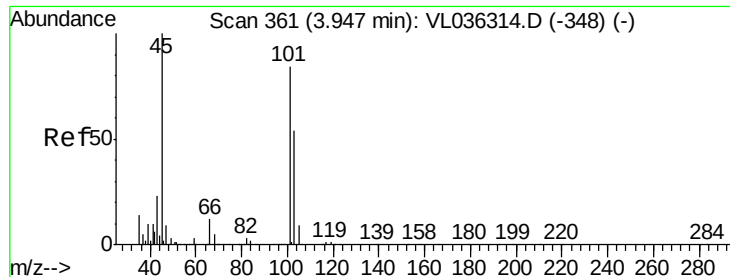
Tgt Ion: 43 Resp: 141057

Ion Ratio Lower Upper

43 100

58 44.2 20.3 30.5#





#19

Isopropyl Alcohol

Concen: 4.906 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL036327.D

Acq: 10 Feb 2021 21:15

Instrument :

MSVOA_L

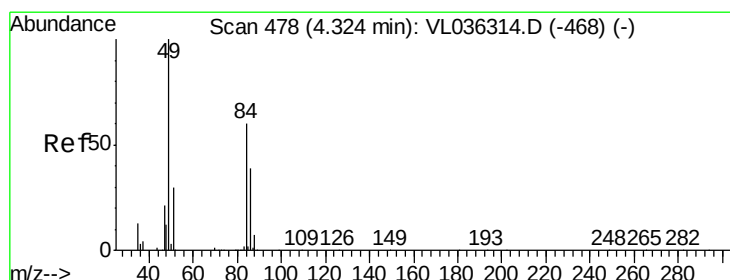
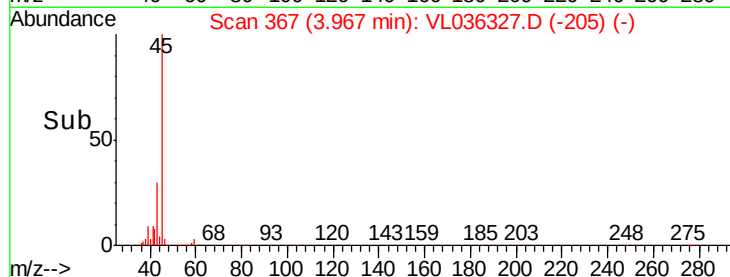
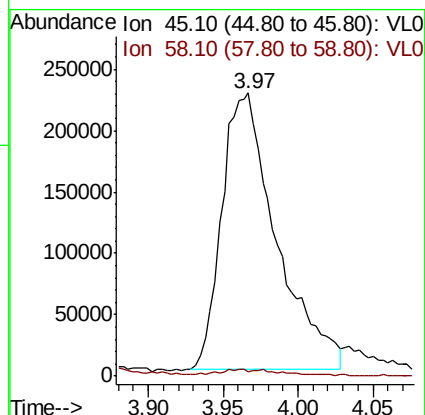
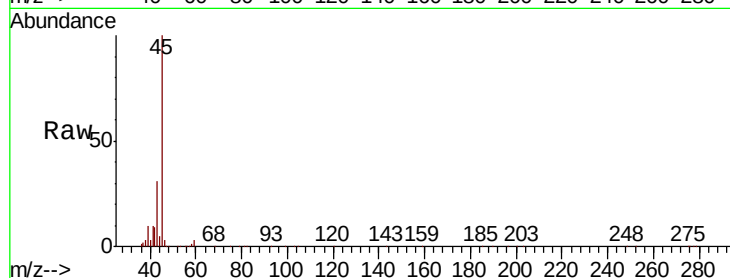
ClientSampled :

Tot Ion: 45 Resp: 572082

Ion Ratio Lower Upper

45 100

58 3.3 1.9 2.9#



#20

Methylene Chloride

Concen: 0.075 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.00 min

Lab File: VL036327.D

Acq: 10 Feb 2021 21:15

Tgt Ion: 84 Resp: 5119

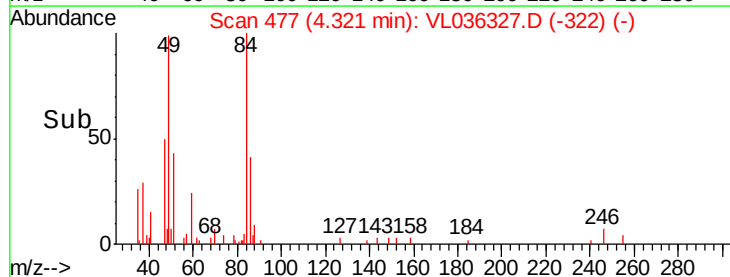
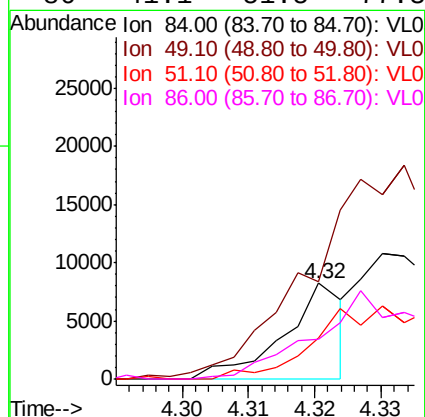
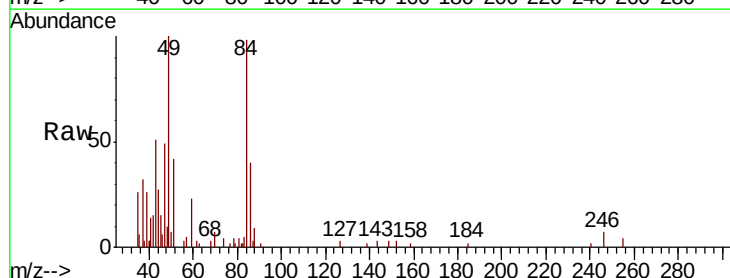
Ion Ratio Lower Upper

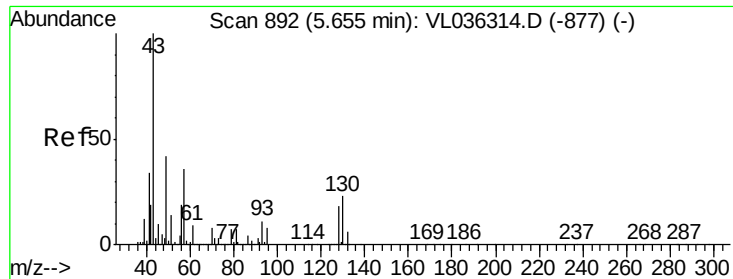
84 100

49 95.7 133.8 200.8#

51 42.6 41.4 62.0

86 41.1 51.5 77.3#

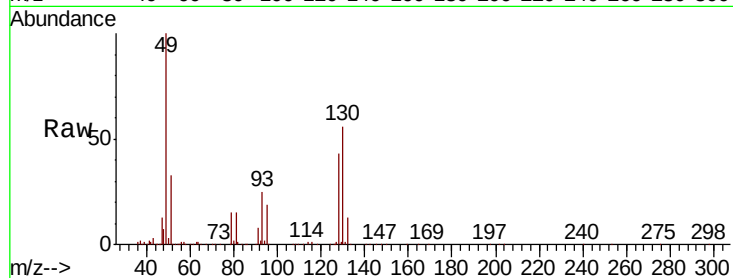




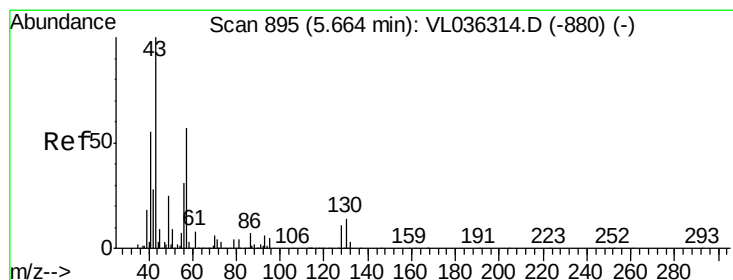
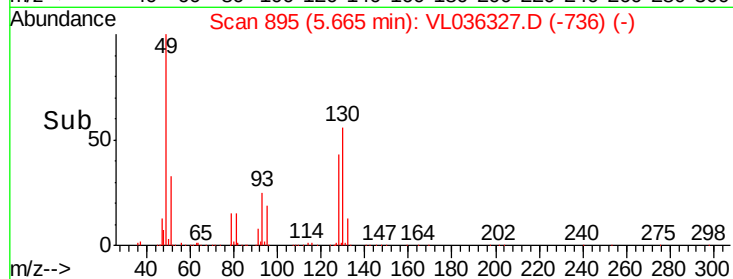
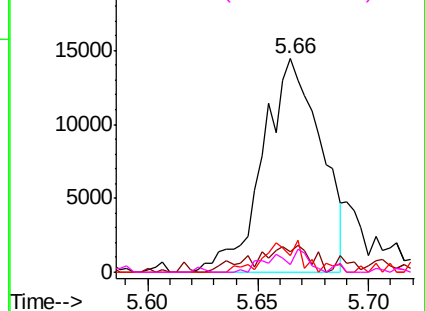
#25
Ethyl Acetate
Concen: 0.065 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.01 min
Lab File: VL036327.D
Acq: 10 Feb 2021 21:15

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	43	Resp:	26245
Ion	Ratio	Lower	Upper
43	100		
45	13.0	8.3	12.5#
61	9.9	7.3	10.9
70	7.3	5.4	8.0

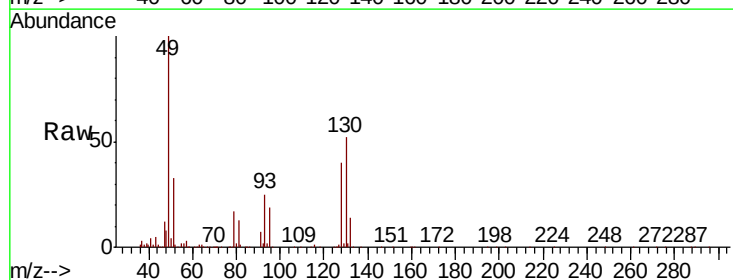


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

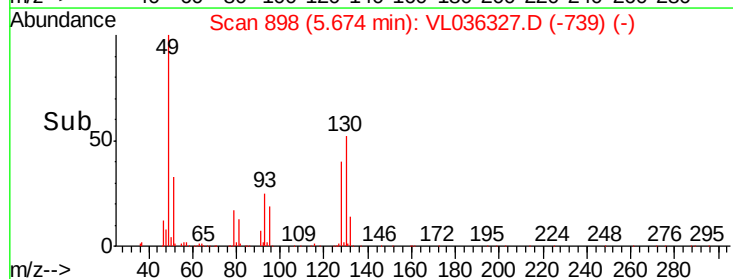
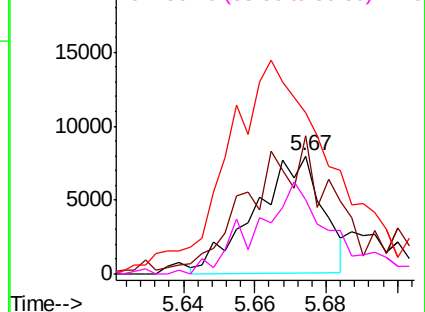


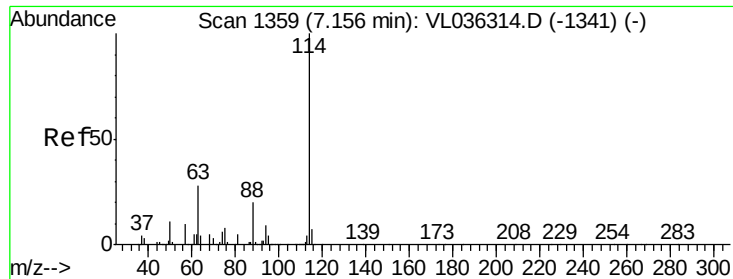
#26
Hexane
Concen: 0.062 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL036327.D
Acq: 10 Feb 2021 21:15

Tgt Ion:	57	Resp:	10309
Ion	Ratio	Lower	Upper
57	100		
41	161.5	81.7	122.5#
43	309.8	199.1	298.7#
56	97.4	44.0	66.0#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

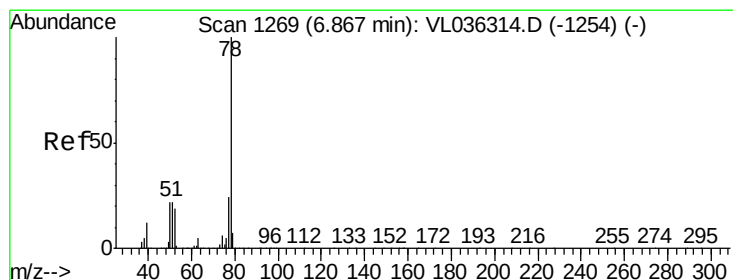
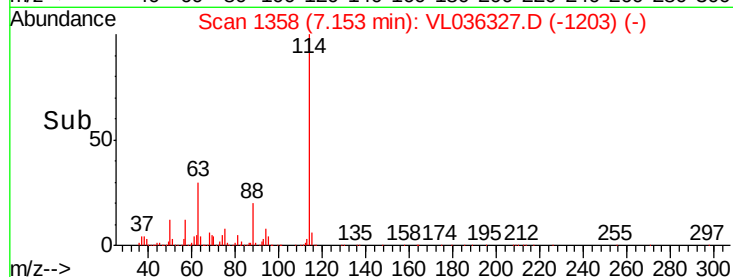
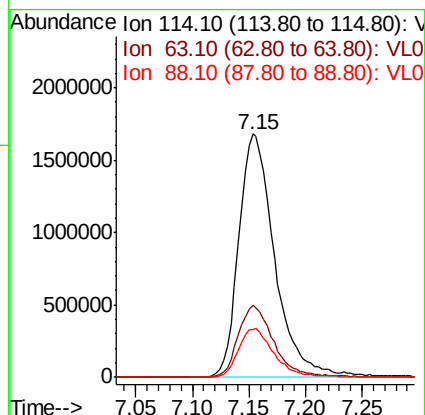
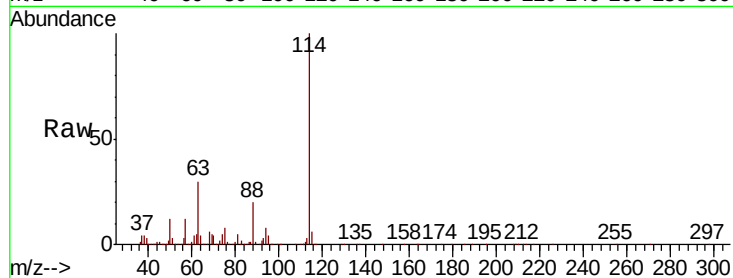




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL036327.D
 Acq: 10 Feb 2021 21:15

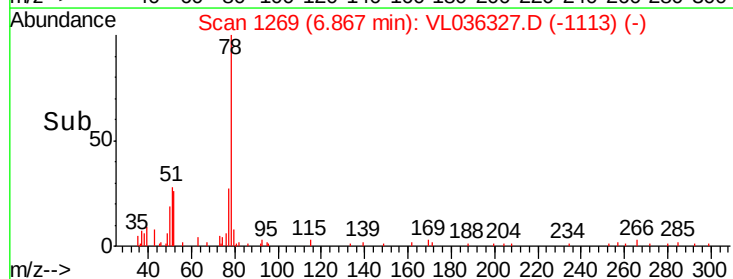
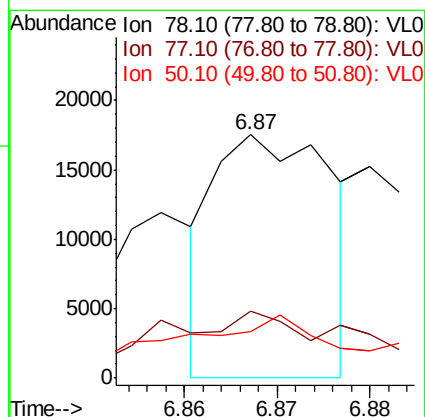
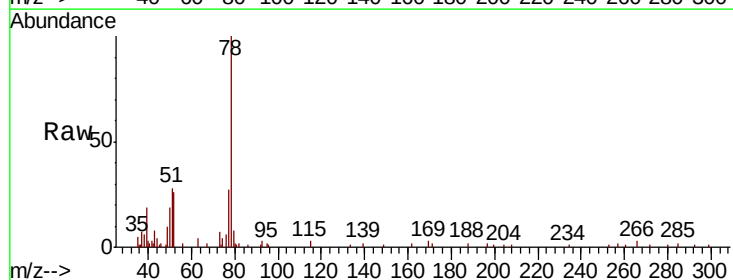
Instrument :
 MSVOA_L
 ClientSampleId :

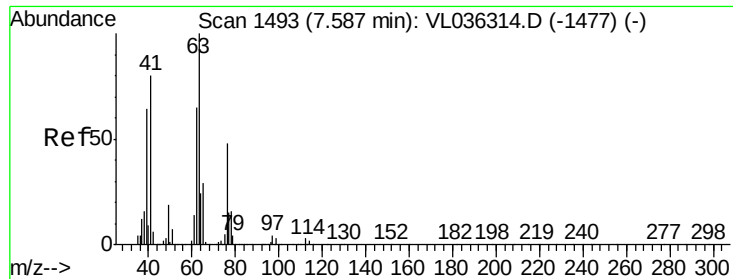
Tot Ion:114 Resp: 3701018
 Ion Ratio Lower Upper
 114 100
 63 29.8 24.1 36.1
 88 20.2 16.0 24.0



#36
 Benzene
 Concen: 0.049 ppbv
 RT: 6.87 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VL036327.D
 Acq: 10 Feb 2021 21:15

Tgt Ion: 78 Resp: 15400
 Ion Ratio Lower Upper
 78 100
 77 23.8 18.9 28.3
 50 18.8 17.3 25.9





#39

1,2-Dichloropropane

Concen: 8.377 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.43 min

Lab File: VL036327.D

Acq: 10 Feb 2021 21:15

Instrument :

MSVOA_L

ClientSampleId :

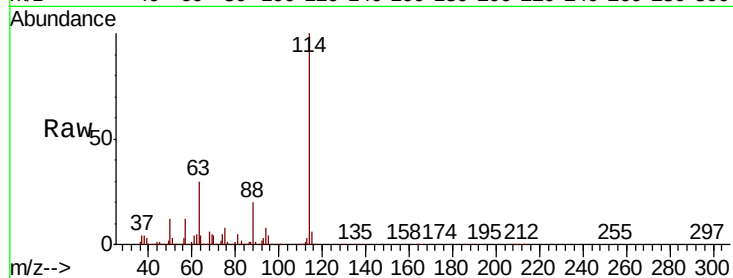
Tot Ion: 63 Resp: 1069873

Ion Ratio Lower Upper

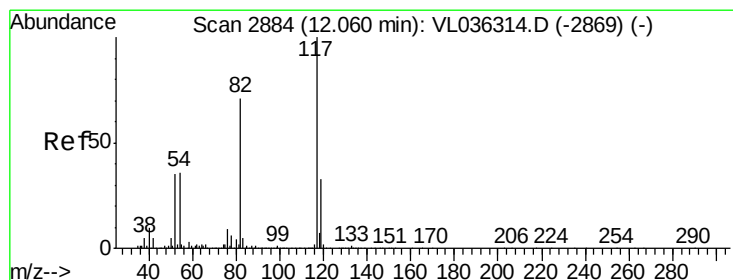
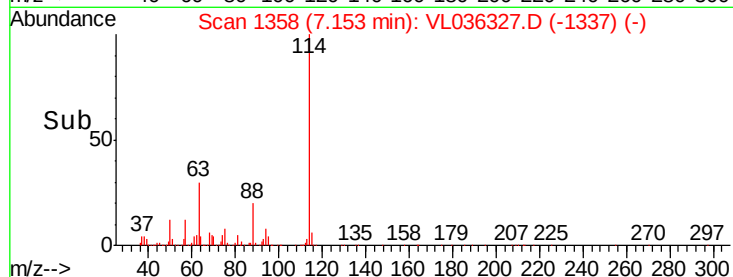
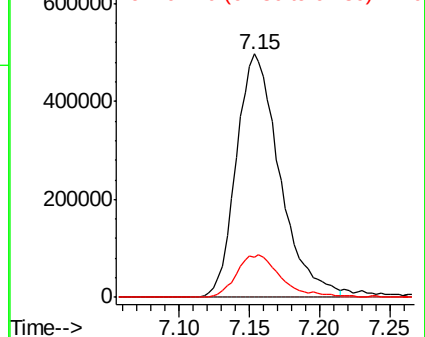
63 100

41 0.1 63.8 95.6#

62 16.4 52.3 78.5#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. 0.01 min

Lab File: VL036327.D

Acq: 10 Feb 2021 21:15

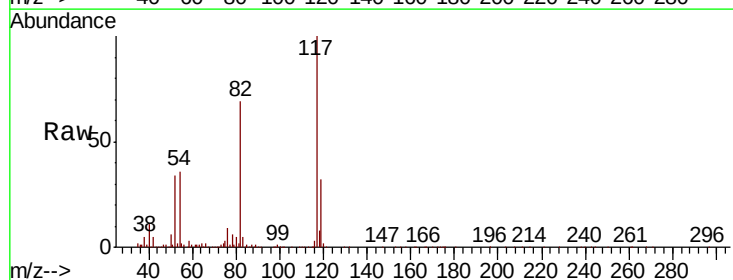
Tgt Ion: 117 Resp: 3430814

Ion Ratio Lower Upper

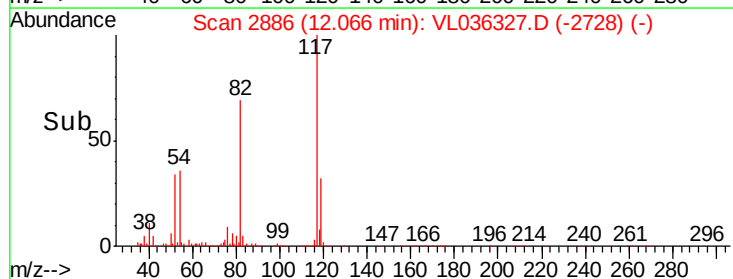
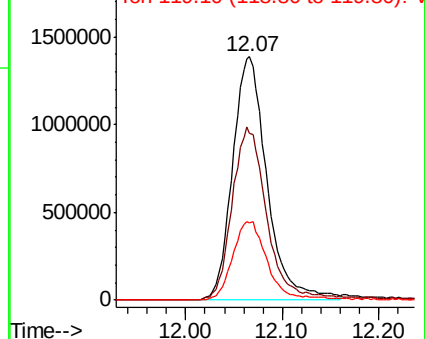
117 100

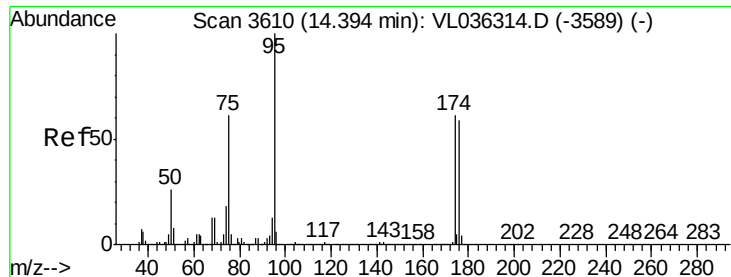
82 73.1 59.1 88.7

119 32.9 46.3 69.5#



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

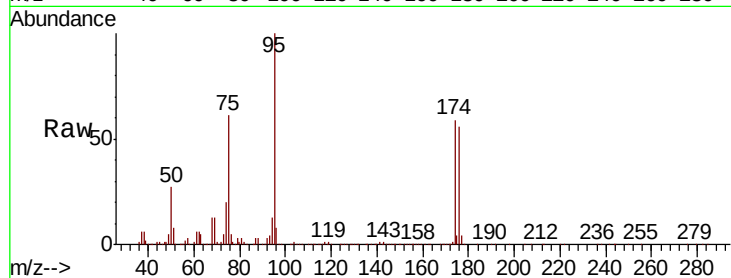




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.819 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VL036327.D
 Acq: 10 Feb 2021 21:15

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 2771543
 Ion Ratio Lower Upper
 95 100
 174 63.0 49.8 74.6
 175 4.6 3.7 5.5



Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

