

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037105.D
 Acq On : 2 Jun 2021 17:12
 Operator : SY/AP
 Sample : M2548-09DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 03 03:21:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1403743	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4125137	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3706306	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2659599	9.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.50%

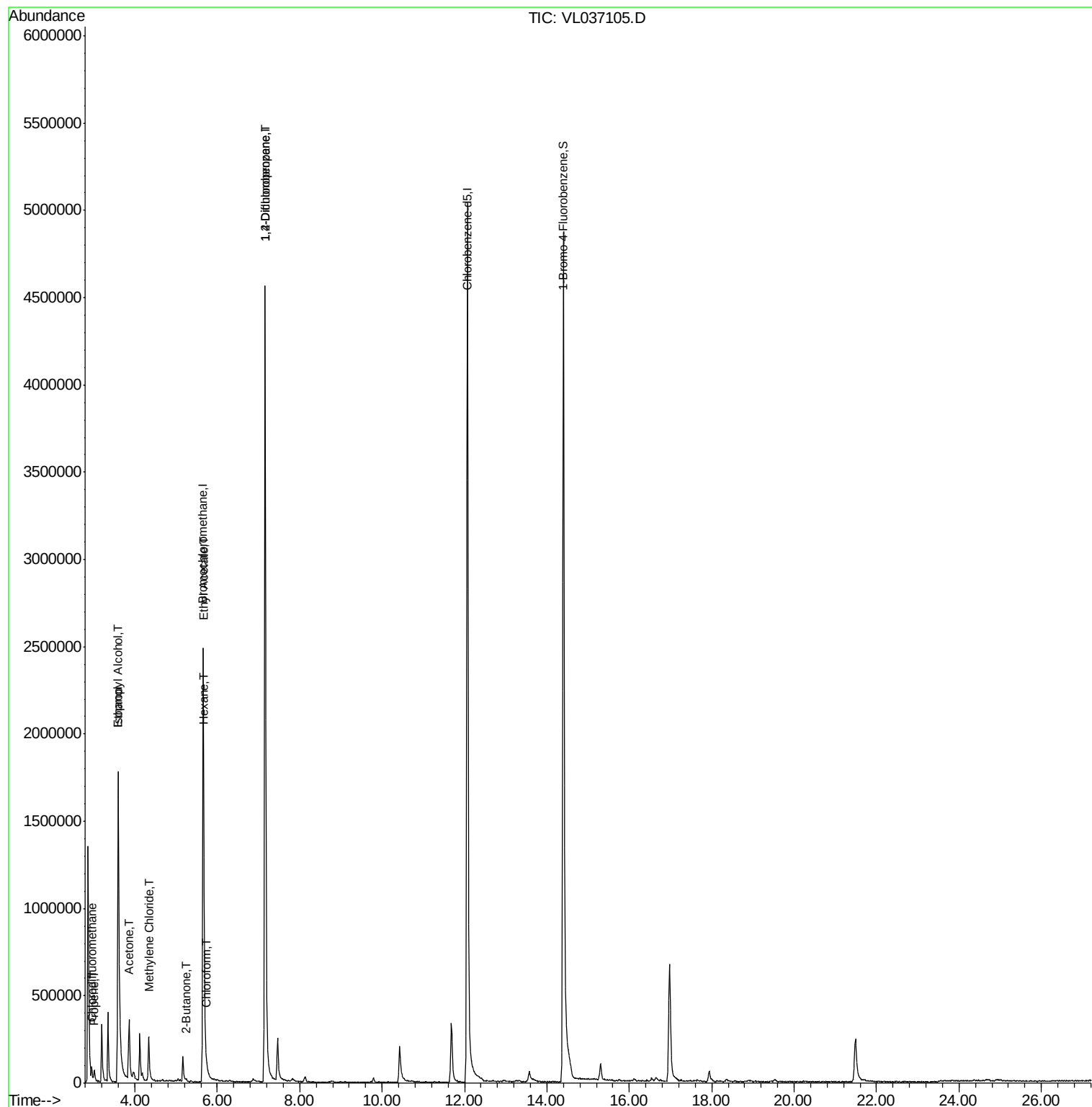
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.95	51	65887	0.256	ppbv #	65
9) Propene	3.01	41	17694	0.192	ppbv	96
13) Ethanol	3.59	45	2701303	219.855	ppbv	92
15) Acetone	3.85	43	304483	2.118	ppbv	97
19) Isopropyl Alcohol	3.59	45	2701303	34.951	ppbv #	30
20) Methylene Chloride	4.33	84	109753	1.424	ppbv #	93
25) Ethyl Acetate	5.67	43	31182	0.090	ppbv #	75
26) Hexane	5.68	57	38533	0.218	ppbv #	1
29) Chloroform	5.73	83	8037	0.032	ppbv	84
34) 2-Butanone	5.23	43	6116	0.041	ppbv #	52
39) 1,2-Dichloropropane	7.16	63	959008	7.006	ppbv #	26

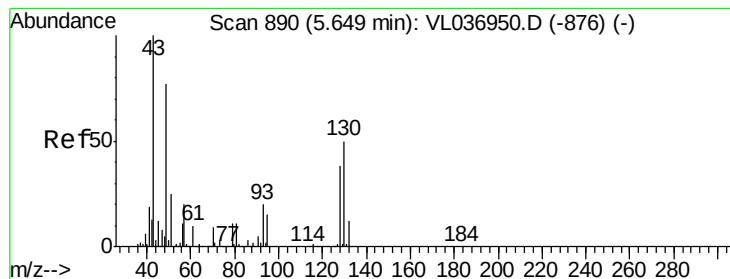
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037105.D

Acq: 2 Jun 2021 17:12

Instrument :

MSVOA_L

ClientSampleId :

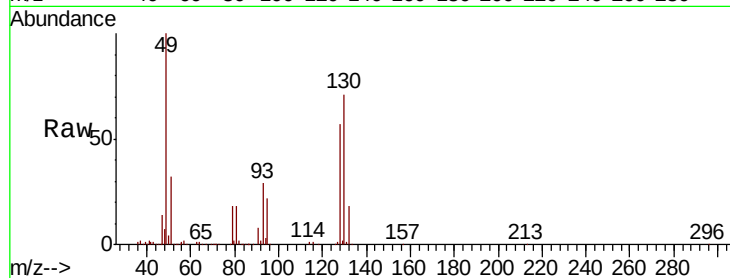
Tot Ion: 49 Resp: 1403743

Ion Ratio Lower Upper

49 100

128 57.1 26.9 80.7

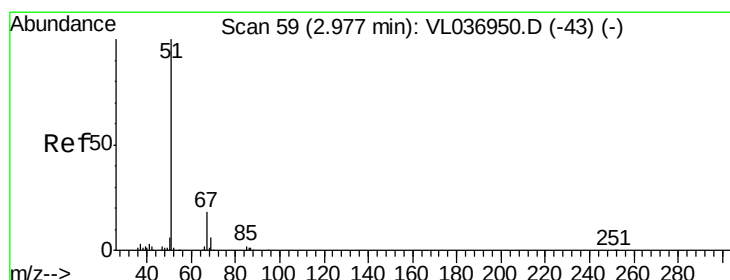
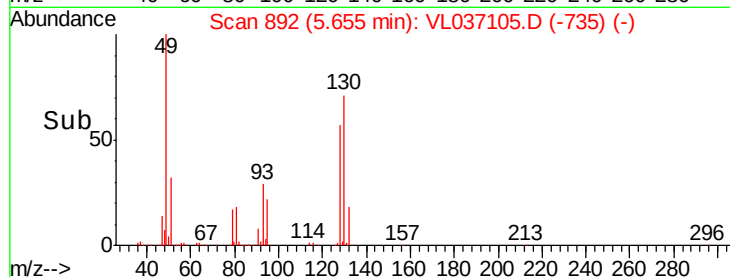
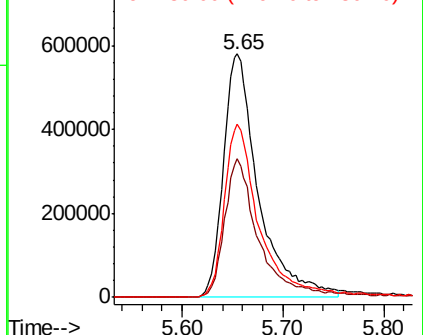
130 73.1 33.8 101.4



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



#3

Chlorodifluoromethane

Concen: 0.256 ppbv

RT: 2.95 min Scan# 52

Delta R.T. -0.02 min

Lab File: VL037105.D

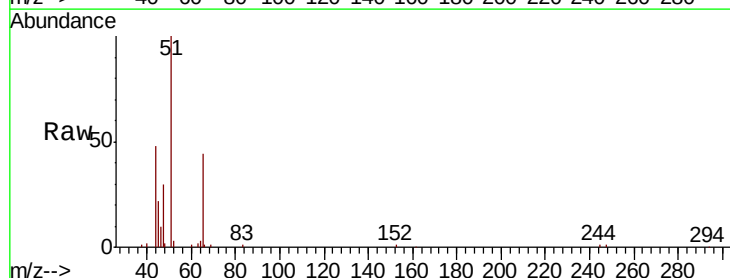
Acq: 2 Jun 2021 17:12

Tgt Ion: 51 Resp: 65887

Ion Ratio Lower Upper

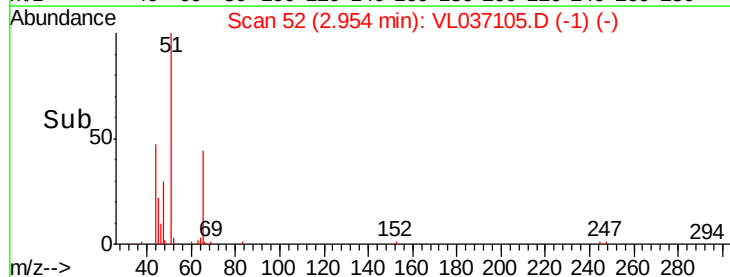
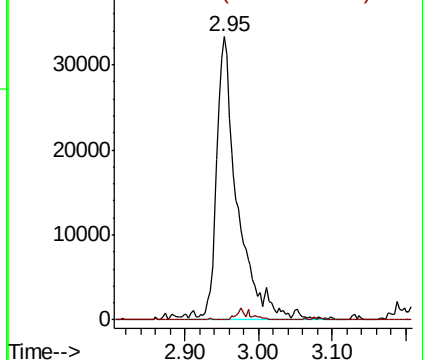
51 100

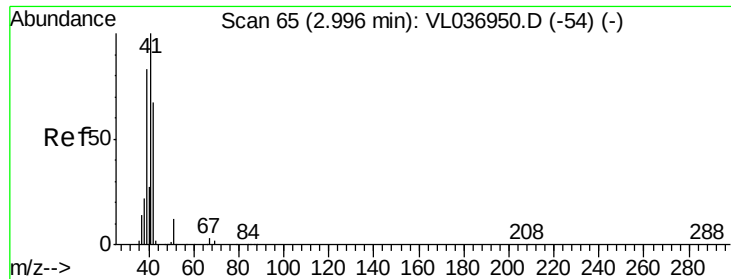
67 2.6 14.6 21.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

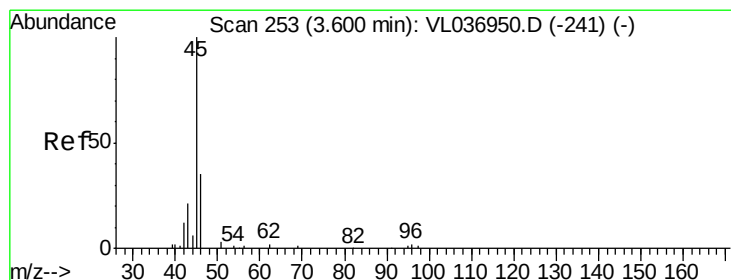
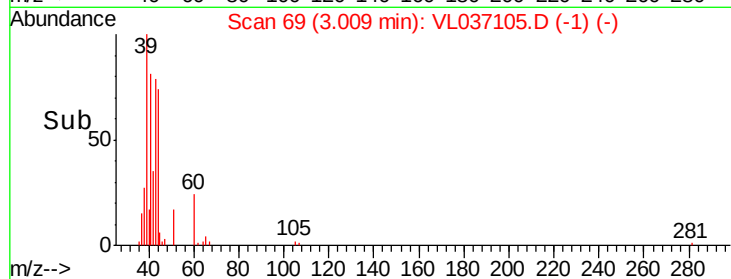
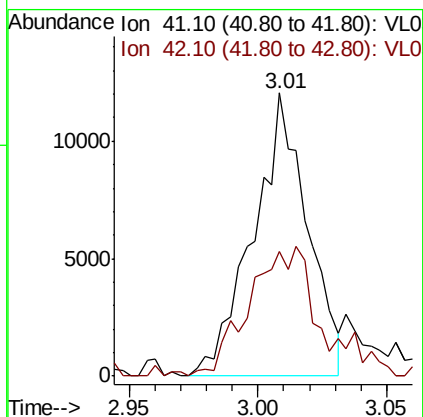
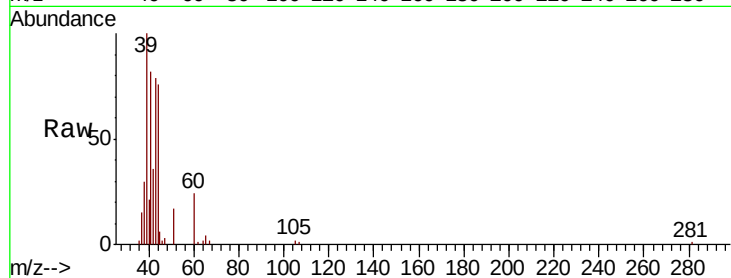




#9
 Propene
 Concen: 0.192 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. 0.01 min
 Lab File: VL037105.D
 Acq: 2 Jun 2021 17:12

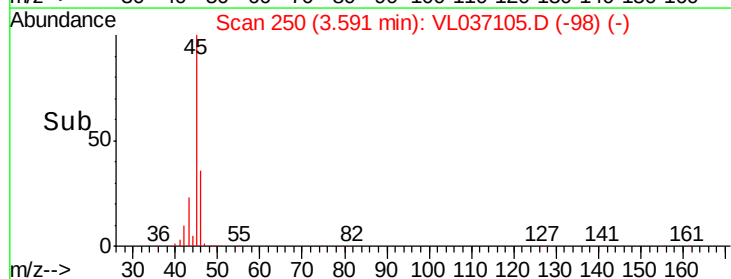
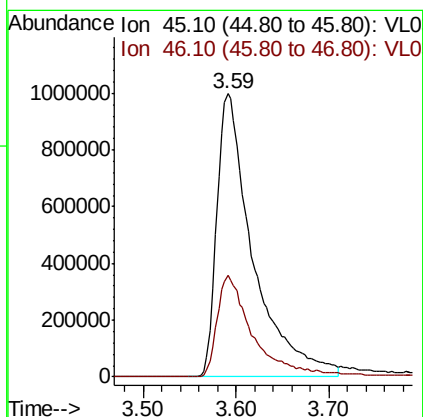
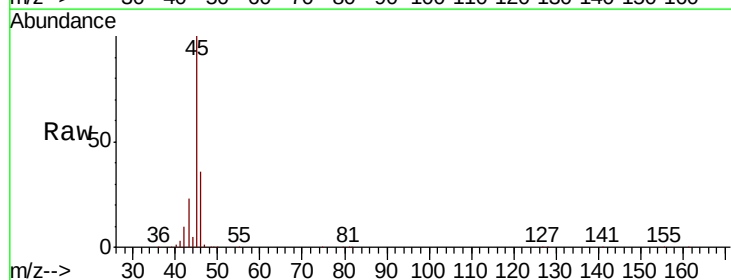
Instrument :
 MSVOA_L
 ClientSampleId :

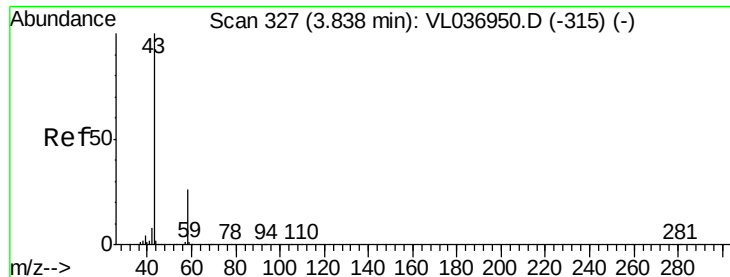
Tot Ion: 41 Resp: 17694
 Ion Ratio Lower Upper
 41 100
 42 64.3 53.9 80.9



#13
 Ethanol
 Concen: 219.855 ppbv
 RT: 3.59 min Scan# 250
 Delta R.T. -0.01 min
 Lab File: VL037105.D
 Acq: 2 Jun 2021 17:12

Tgt Ion: 45 Resp: 2701303
 Ion Ratio Lower Upper
 45 100
 46 36.1 16.3 65.3





#15

Acetone

Concen: 2.118 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL037105.D

Acq: 2 Jun 2021 17:12

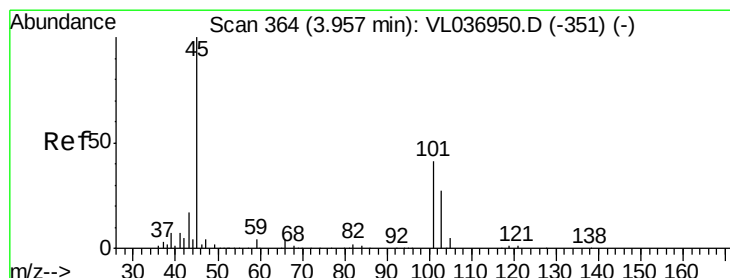
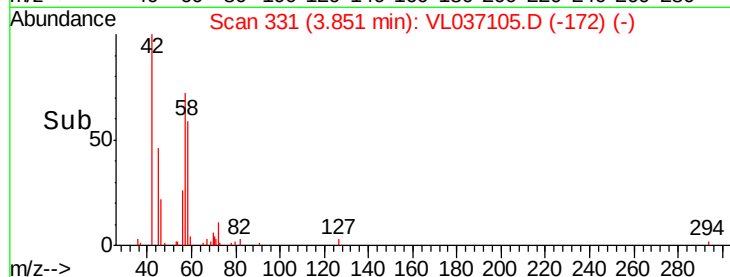
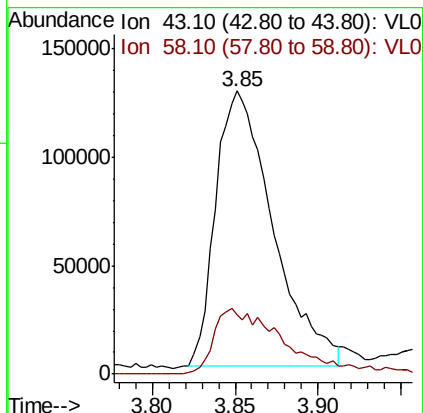
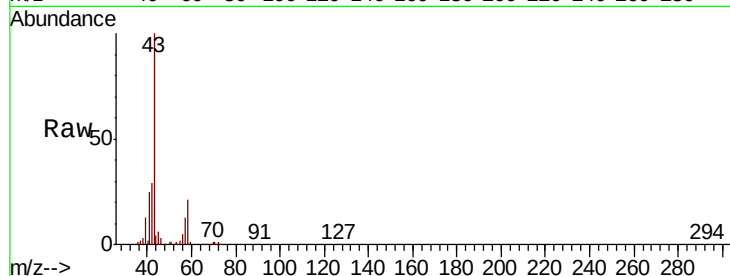
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 304483

Ion Ratio Lower Upper

43 100

58 31.5 24.0 36.0



#19

Isopropyl Alcohol

Concen: 34.951 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.37 min

Lab File: VL037105.D

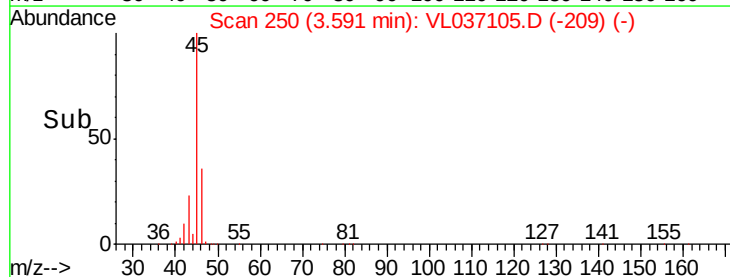
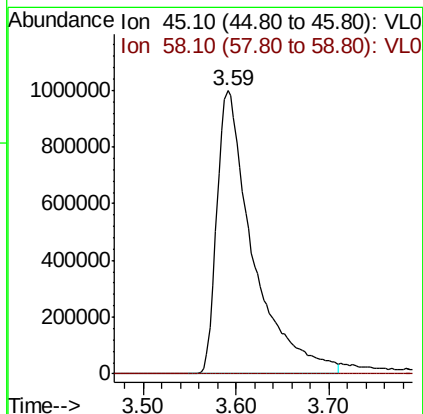
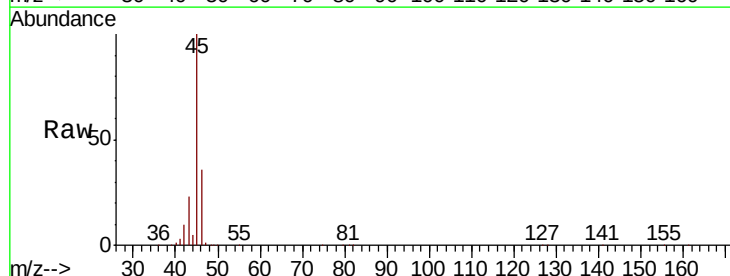
Acq: 2 Jun 2021 17:12

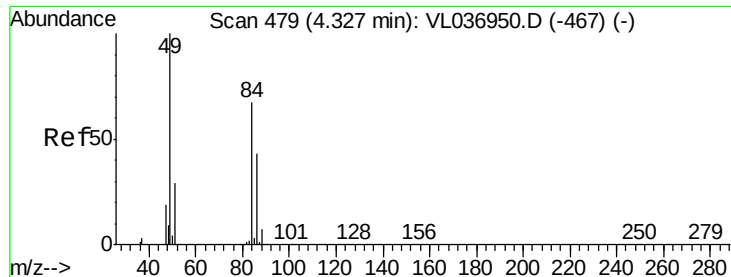
Tgt Ion: 45 Resp: 2701303

Ion Ratio Lower Upper

45 100

58 0.0 37.2 55.8#

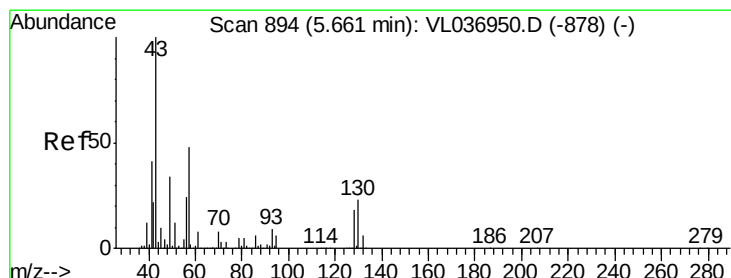
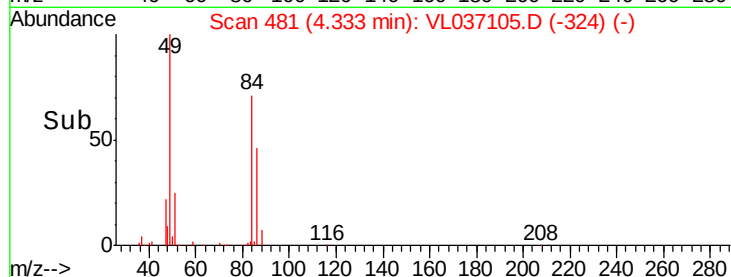
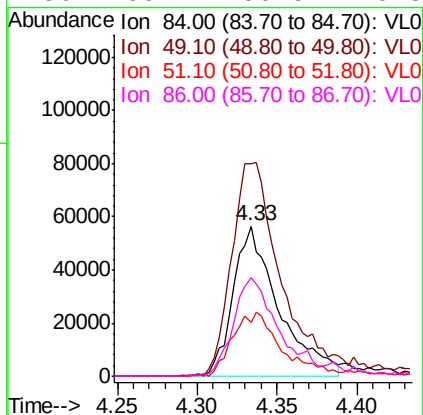
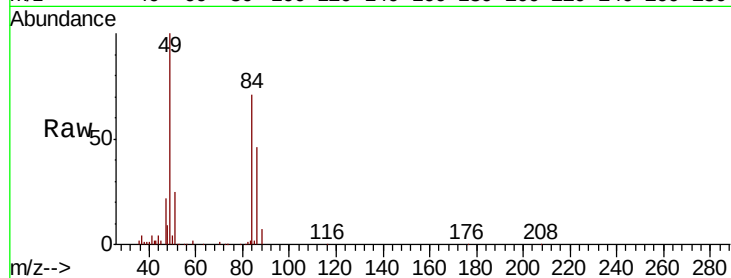




#20
Methylene Chloride
Concen: 1.424 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL037105.D
Acq: 2 Jun 2021 17:12

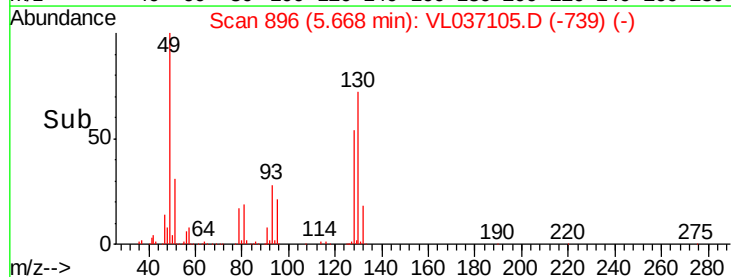
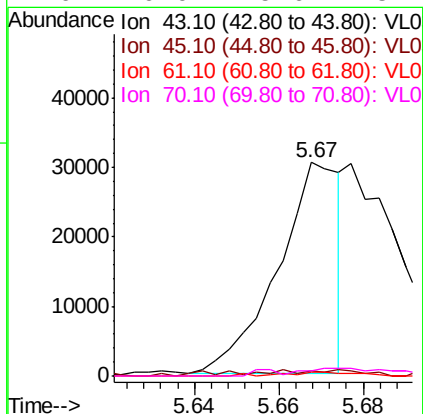
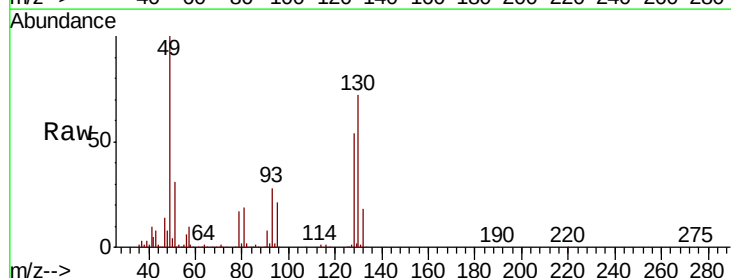
Instrument :
MSVOA_L
ClientSampleId :

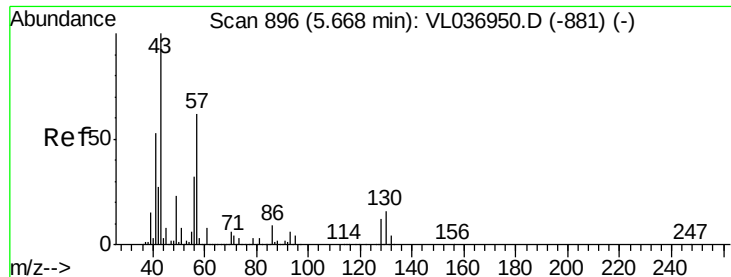
Tot Ion:	84	Resp:	109753
Ion	Ratio	Lower	Upper
84	100		
49	141.4	119.8	179.6
51	34.7	35.1	52.7#
86	65.2	50.9	76.3



#25
Ethyl Acetate
Concen: 0.090 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL037105.D
Acq: 2 Jun 2021 17:12

Tgt Ion:	43	Resp:	31182
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.8#
61	0.0	7.8	11.8#
70	0.0	5.6	8.4#

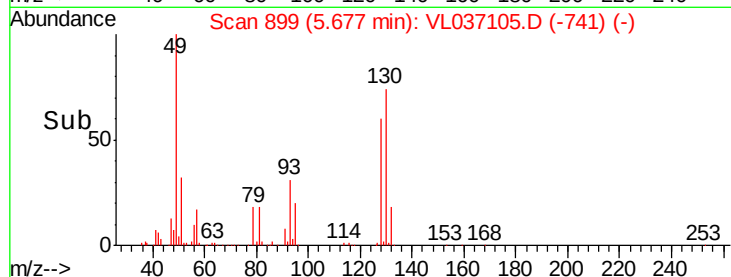
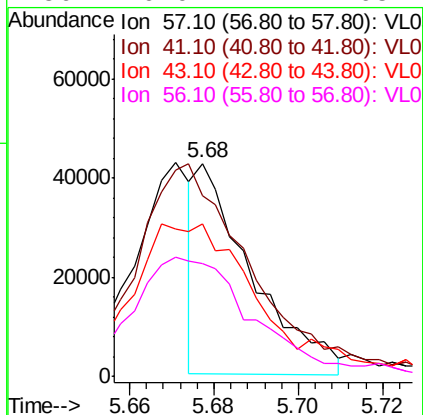
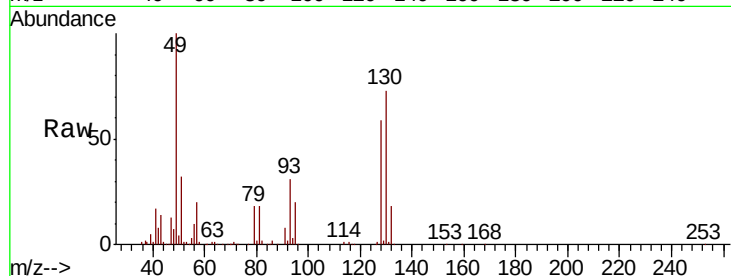




#26
Hexane
Concen: 0.218 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL037105.D
Acq: 2 Jun 2021 17:12

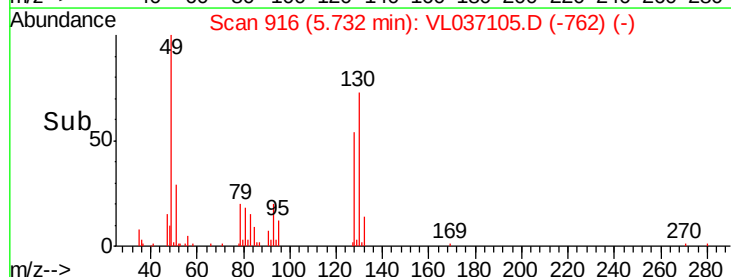
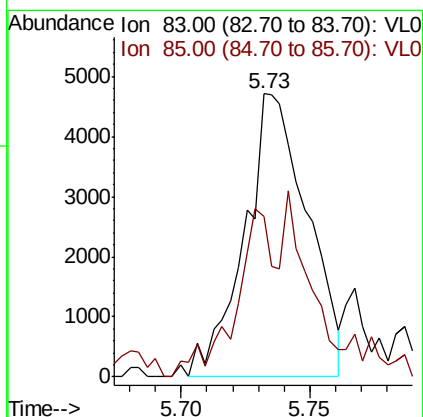
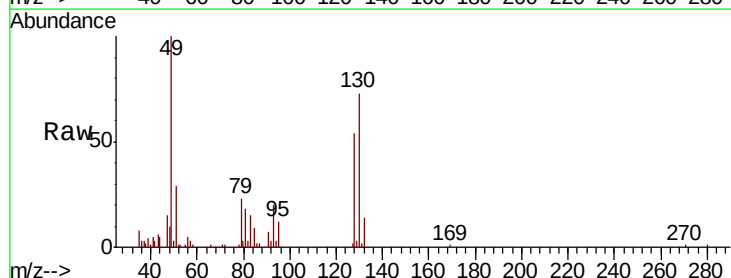
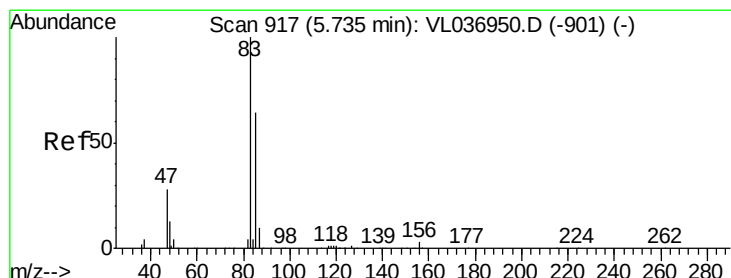
Instrument :
MSVOA_L
ClientSampleId :

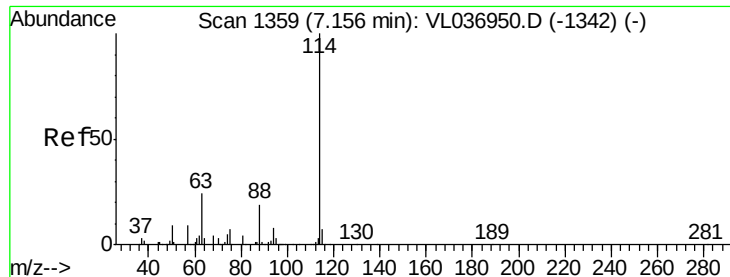
Tot Ion: 57 Resp: 38533
Ion Ratio Lower Upper
57 100
41 225.1 70.5 105.7#
43 0.0 165.8 248.8#
56 0.0 42.2 63.4#



#29
Chloroform
Concen: 0.032 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL037105.D
Acq: 2 Jun 2021 17:12

Tgt Ion: 83 Resp: 8037
Ion Ratio Lower Upper
83 100
85 51.6 51.1 76.7

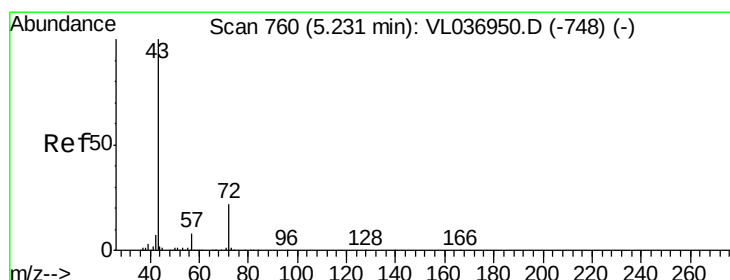
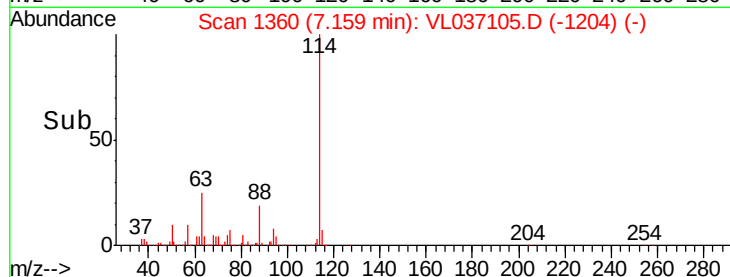
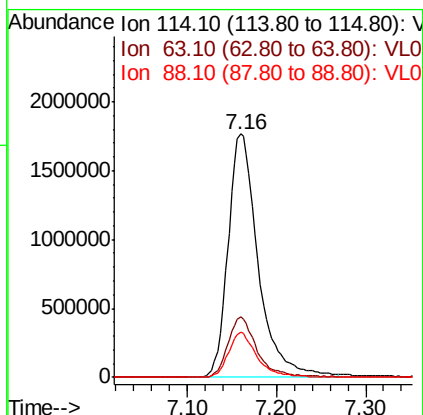
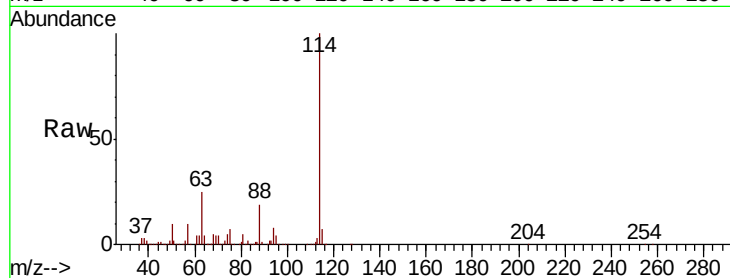




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037105.D
 Acq: 2 Jun 2021 17:12

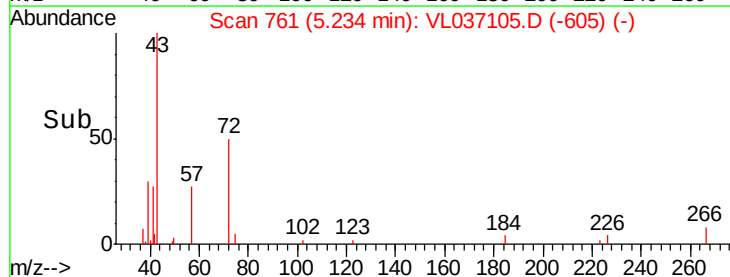
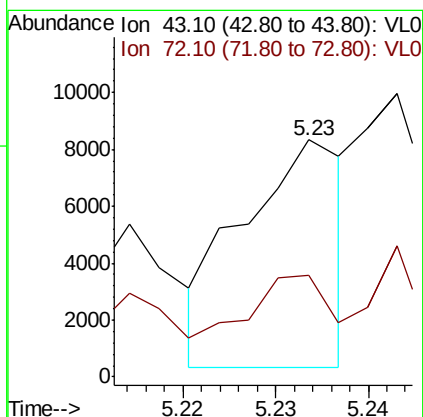
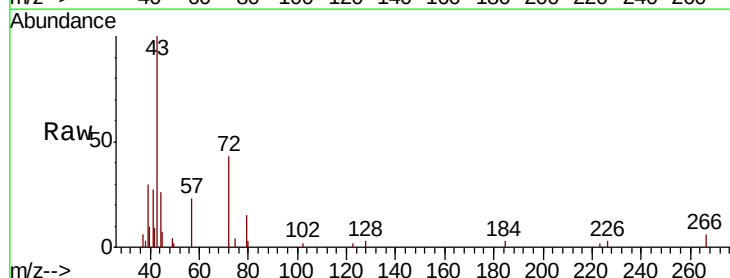
Instrument :
 MSVOA_L
 ClientSampleId :

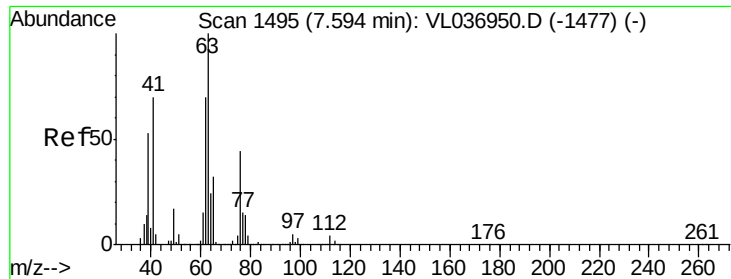
Tot Ion:114 Resp: 4125137
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.6 29.4
 88 17.8 14.6 21.8



#34
 2-Butanone
 Concen: 0.041 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL037105.D
 Acq: 2 Jun 2021 17:12

Tgt Ion: 43 Resp: 6116
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.0 28.4#

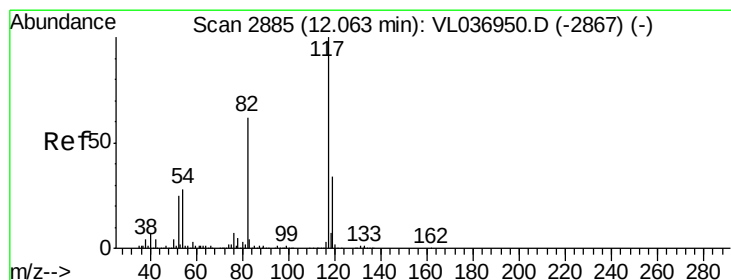
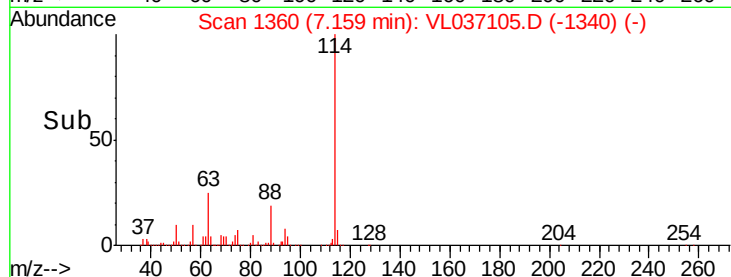
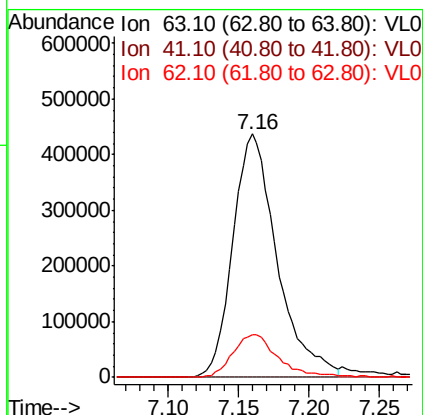
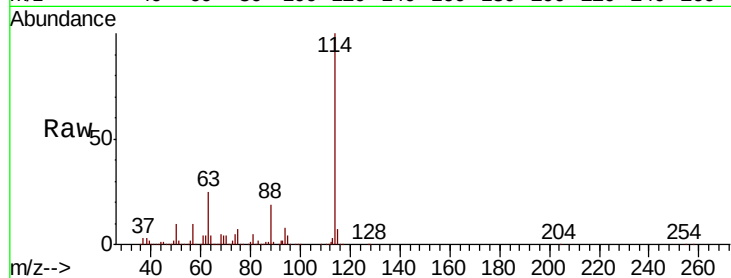




#39
 1,2-Dichloropropane
 Concen: 7.006 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.43 min
 Lab File: VL037105.D
 Acq: 2 Jun 2021 17:12

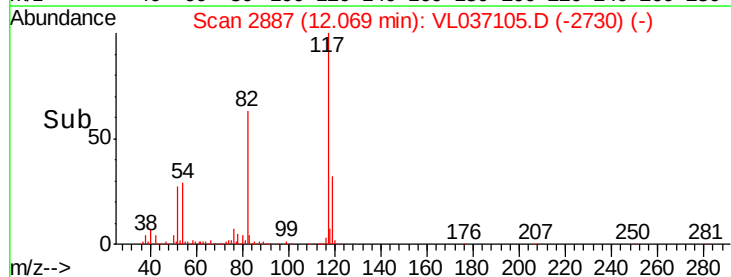
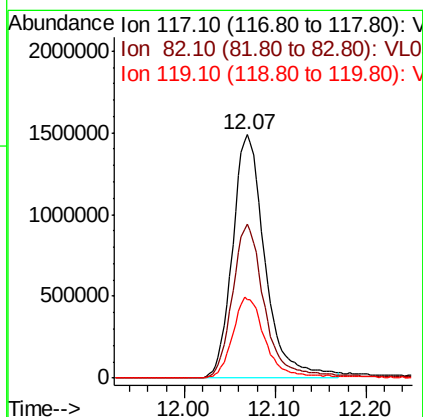
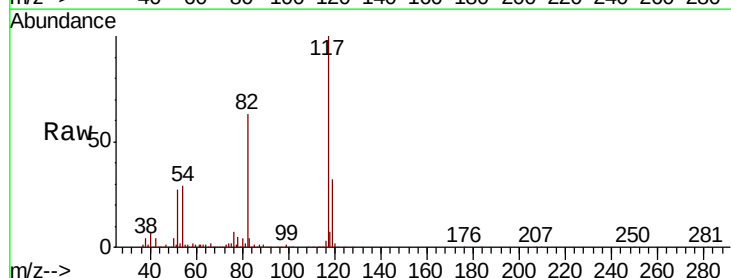
Instrument :
 MSVOA_L
 ClientSampled :

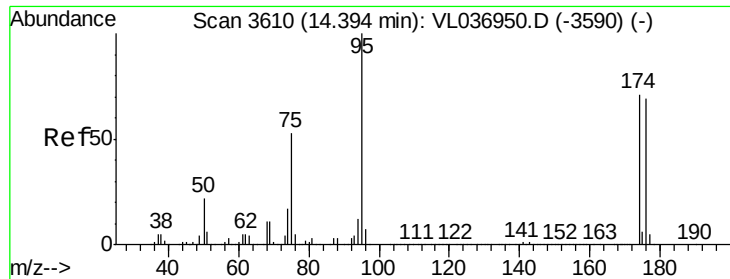
Tot Ion: 63 Resp: 959008
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.7 83.5#
 62 17.7 56.2 84.4#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2887
 Delta R.T. 0.01 min
 Lab File: VL037105.D
 Acq: 2 Jun 2021 17:12

Tgt Ion: 117 Resp: 3706306
 Ion Ratio Lower Upper
 117 100
 82 64.1 52.6 79.0
 119 34.5 46.6 70.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.552 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.01 min

Lab File: VL037105.D

Acq: 2 Jun 2021 17:12

Instrument :

MSVOA_L

ClientSampleId :

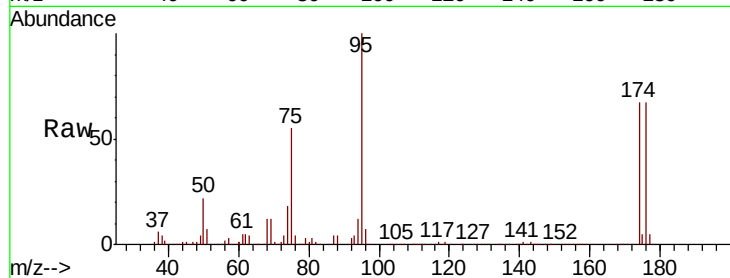
Tot Ion: 95 Resp: 2659599

Ion Ratio Lower Upper

95 100

174 76.5 58.4 87.6

175 5.7 4.4 6.6



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

