

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037123.D
 Acq On : 3 Jun 2021 5:31
 Operator : SY/AP
 Sample : M2548-18DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 03 07:41:31 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	5.66	49	1255588	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	4030916	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3542347	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2635035	9.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

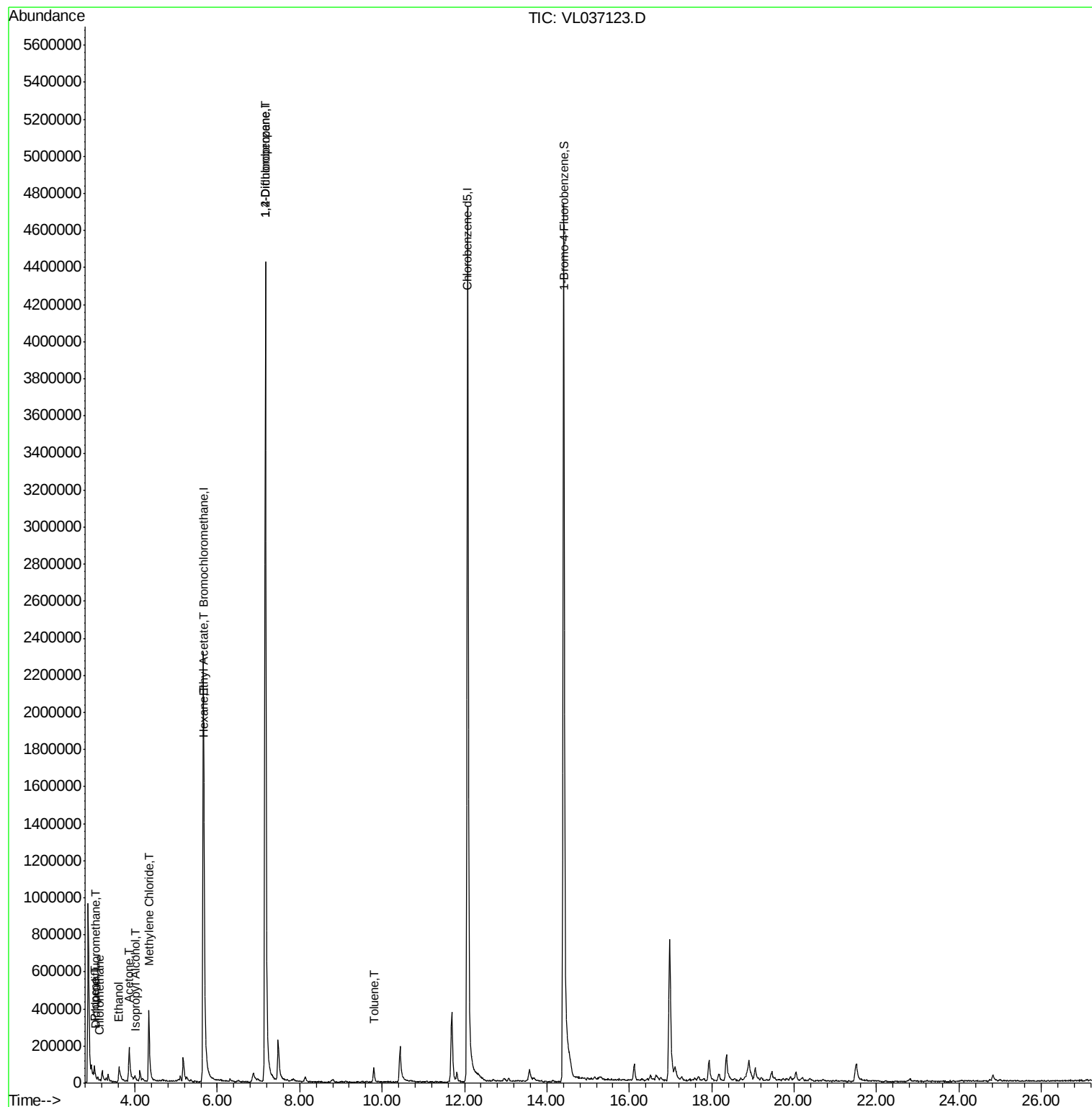
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	14932	0.070	ppbv #	87
4) Chloromethane	3.14	50	3139	0.040	ppbv #	53
9) Propene	3.01	41	16594	0.201	ppbv	89
13) Ethanol	3.62	45	111772	10.170	ppbv	99
15) Acetone	3.86	43	221320	1.721	ppbv #	73
19) Isopropyl Alcohol	4.00	45	15220	0.220	ppbv	89
20) Methylene Chloride	4.34	84	162862	2.362	ppbv	94
25) Ethyl Acetate	5.68	43	51202	0.166	ppbv #	79
26) Hexane	5.68	57	76227	0.483	ppbv #	43
39) 1,2-Dichloropropane	7.17	63	944514	7.062	ppbv #	25
53) Toluene	9.80	91	60106	0.145	ppbv	98

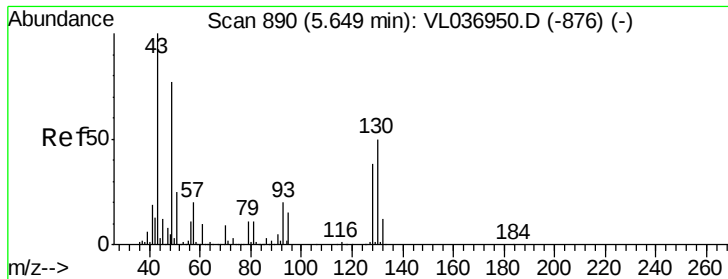
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL037123.D

Acq: 3 Jun 2021 5:31

Instrument :

MSVOA_L

ClientSampleId :

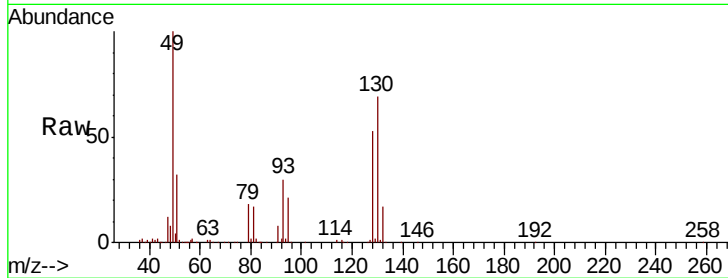
Tot Ion: 49 Resp: 1255588

Ion Ratio Lower Upper

49 100

128 62.5 26.9 80.7

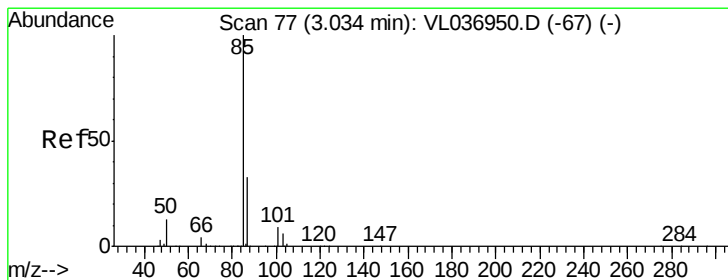
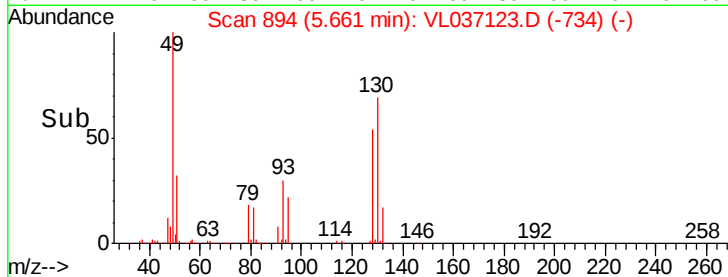
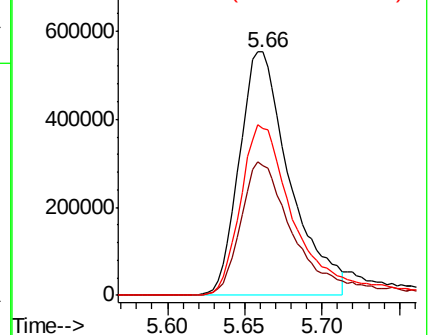
130 79.8 33.8 101.4



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



#2

Dichlorodifluoromethane

Concen: 0.070 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.01 min

Lab File: VL037123.D

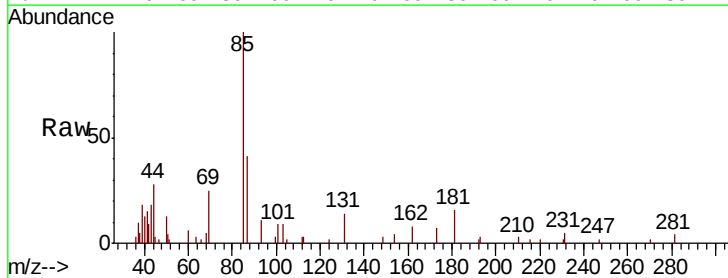
Acq: 3 Jun 2021 5:31

Tgt Ion: 85 Resp: 14932

Ion Ratio Lower Upper

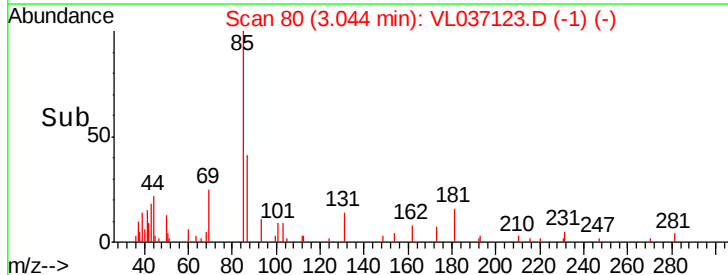
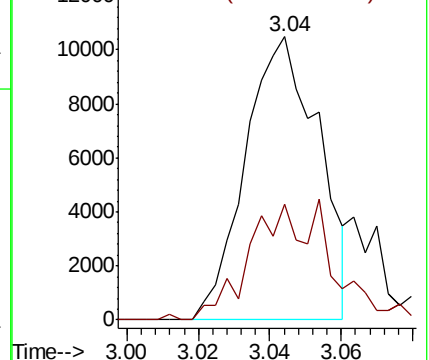
85 100

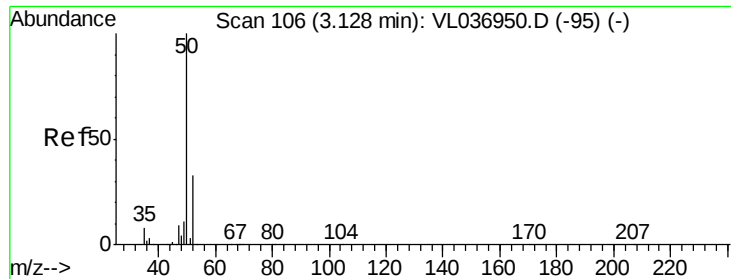
87 40.7 26.6 39.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.040 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL037123.D

Acq: 3 Jun 2021 5:31

Instrument :

MSVOA_L

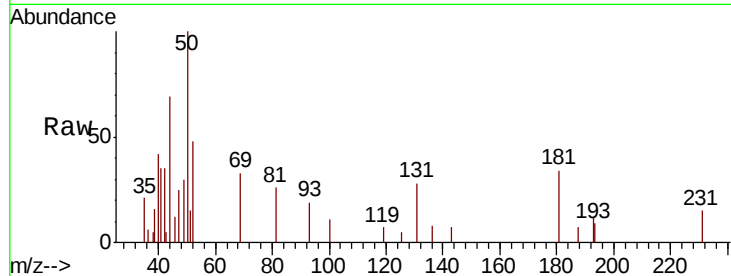
ClientSampleId :

Tot Ion: 50 Resp: 3139

Ion Ratio Lower Upper

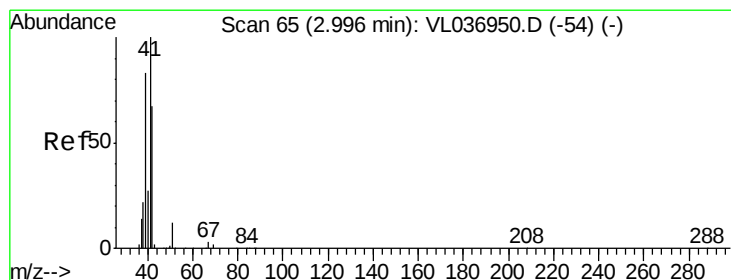
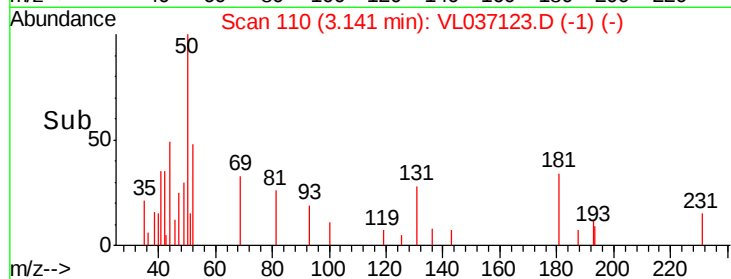
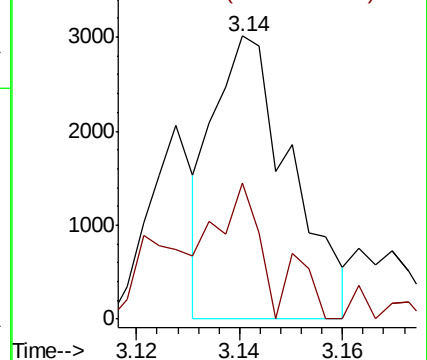
50 100

52 59.2 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.201 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.02 min

Lab File: VL037123.D

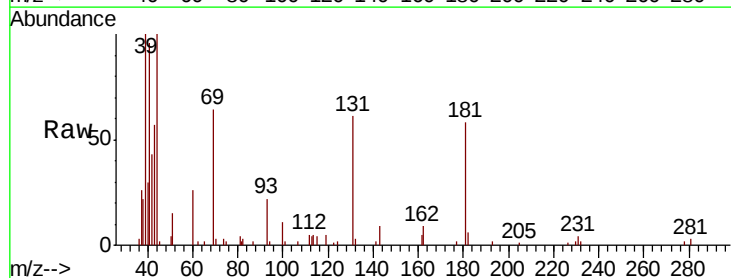
Acq: 3 Jun 2021 5:31

Tgt Ion: 41 Resp: 16594

Ion Ratio Lower Upper

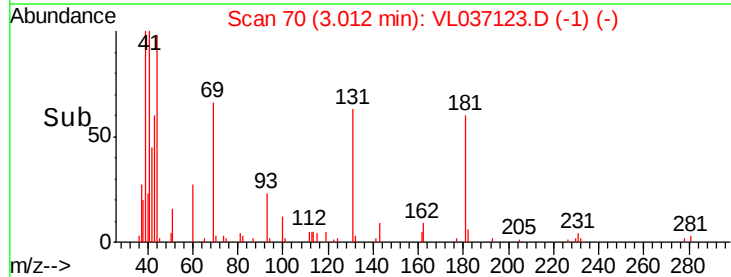
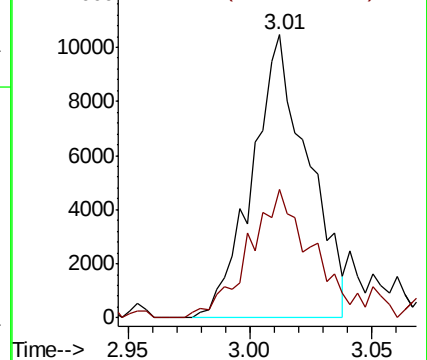
41 100

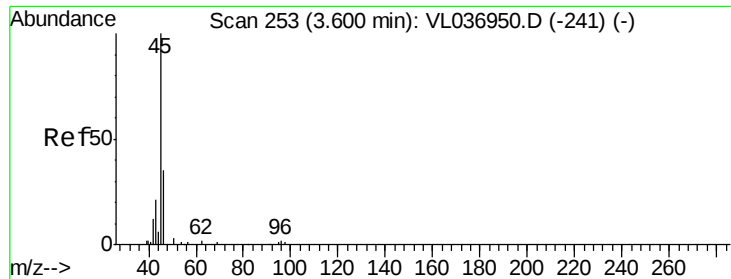
42 58.7 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

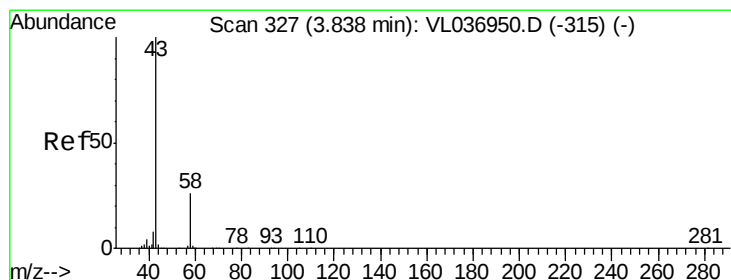
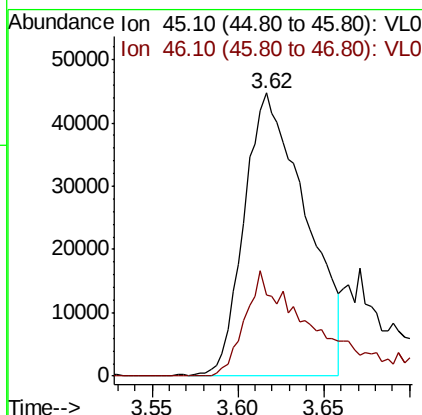
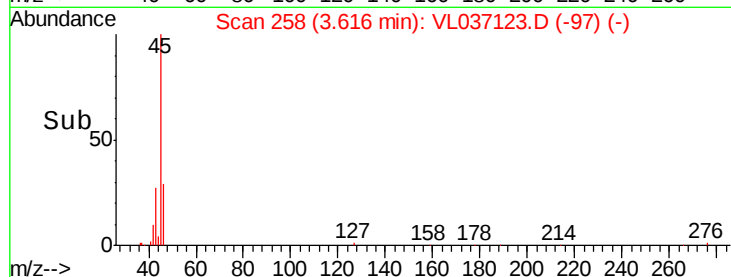
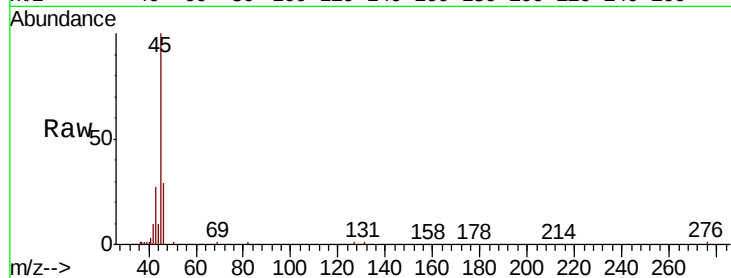




#13
Ethanol
Concen: 10.170 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL037123.D
Acq: 3 Jun 2021 5:31

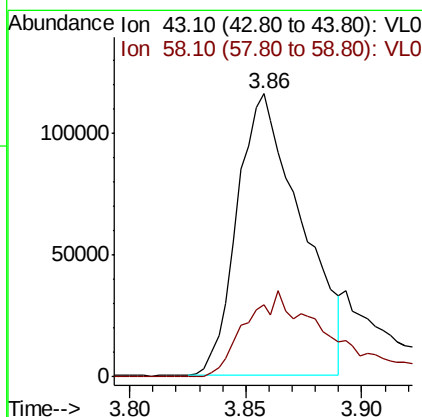
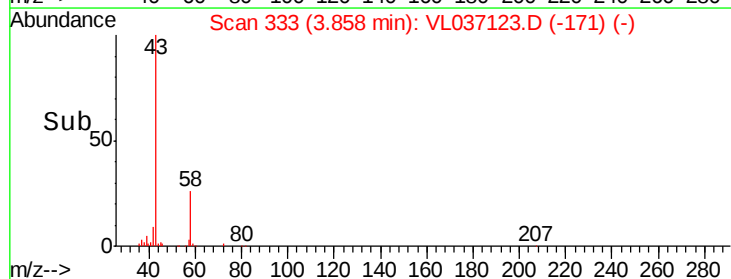
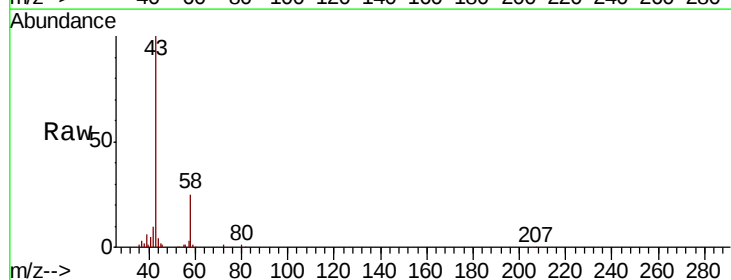
Instrument :
MSVOA_L
ClientSampleId :

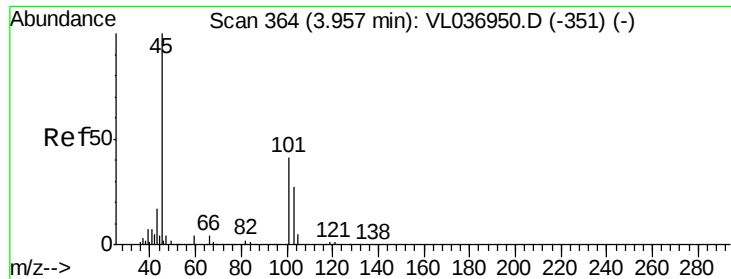
Tot Ion: 45 Resp: 111772
Ion Ratio Lower Upper
45 100
46 41.5 16.3 65.3



#15
Acetone
Concen: 1.721 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037123.D
Acq: 3 Jun 2021 5:31

Tgt Ion: 43 Resp: 221320
Ion Ratio Lower Upper
43 100
58 44.6 24.0 36.0#

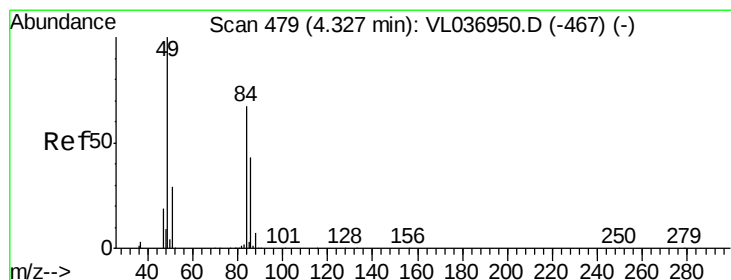
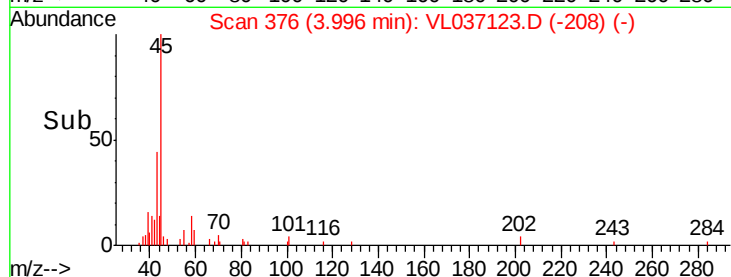
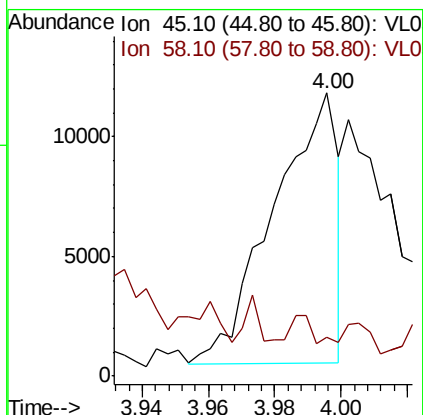
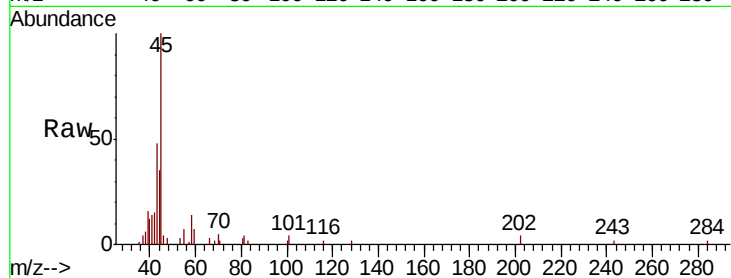




#19
Isopropyl Alcohol
Concen: 0.220 ppbv
RT: 4.00 min Scan# 376
Delta R.T. 0.04 min
Lab File: VL037123.D
Acq: 3 Jun 2021 5:31

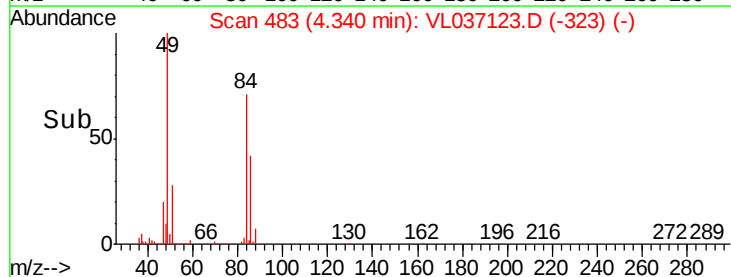
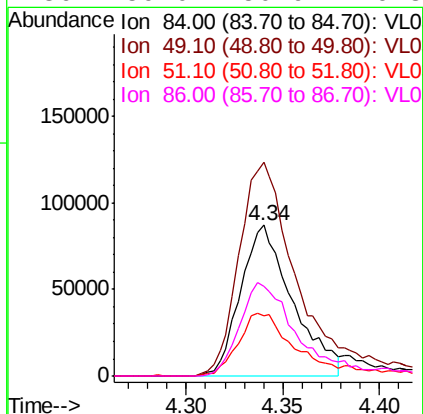
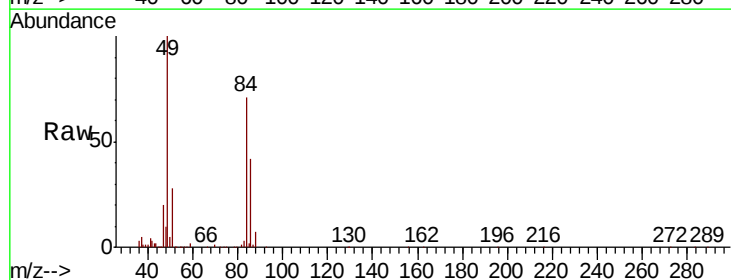
Instrument :
MSVOA_L
ClientSampled :

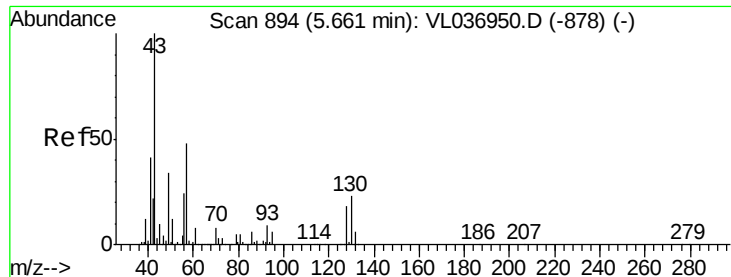
Tot Ion: 45 Resp: 15220
Ion Ratio Lower Upper
45 100
58 39.3 37.2 55.8



#20
Methylene Chloride
Concen: 2.362 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.01 min
Lab File: VL037123.D
Acq: 3 Jun 2021 5:31

Tgt Ion: 84 Resp: 162862
Ion Ratio Lower Upper
84 100
49 141.4 119.8 179.6
51 39.8 35.1 52.7
86 59.0 50.9 76.3





#25

Ethyl Acetate

Concen: 0.166 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.02 min

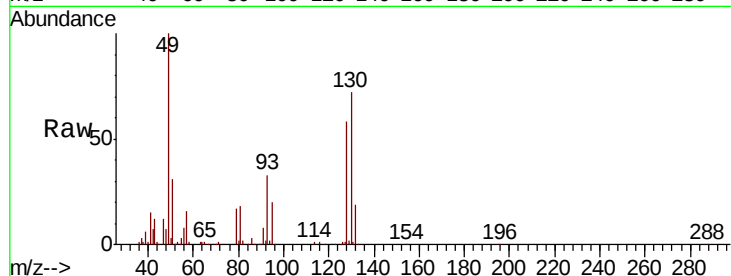
Lab File: VL037123.D

Acq: 3 Jun 2021 5:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 51202

Ion	Ratio	Lower	Upper
43	100		
45	2.1	7.8	11.8#
61	0.1	7.8	11.8#
70	2.2	5.6	8.4#



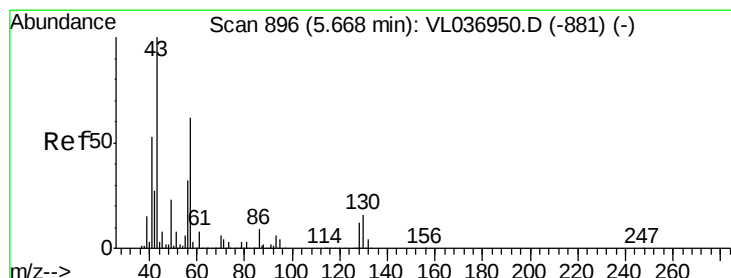
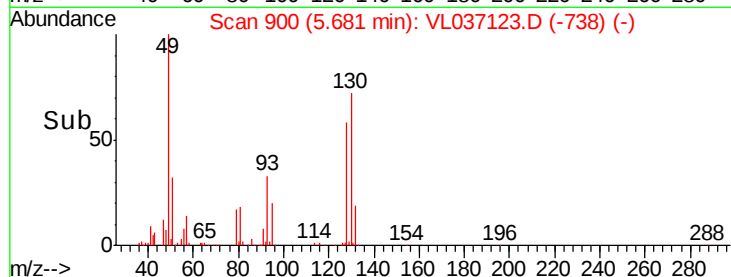
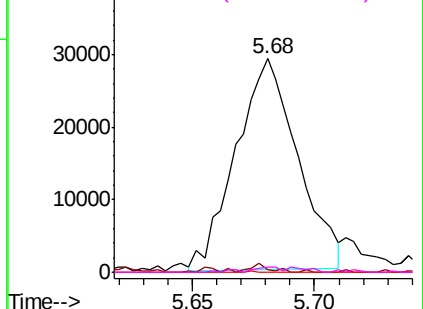
Abundance

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: 0.483 ppbv

RT: 5.68 min Scan# 901

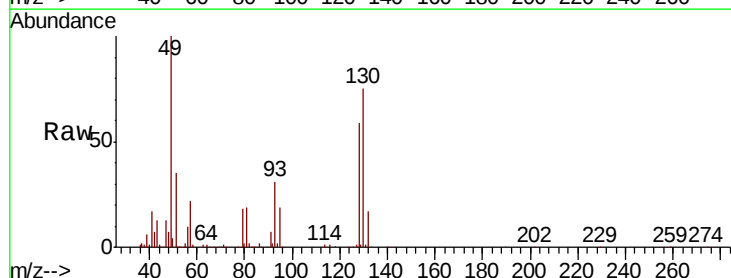
Delta R.T. 0.02 min

Lab File: VL037123.D

Acq: 3 Jun 2021 5:31

Tgt Ion: 57 Resp: 76227

Ion	Ratio	Lower	Upper
57	100		
41	107.6	70.5	105.7#
43	77.5	165.8	248.8#
56	60.7	42.2	63.4



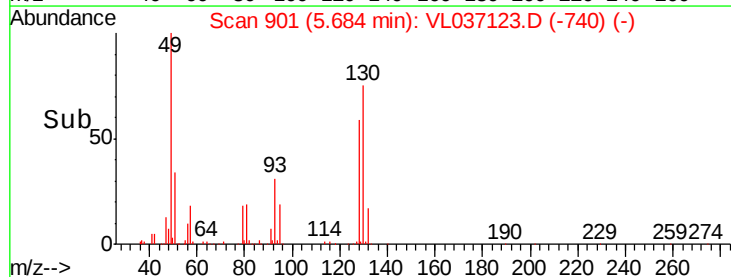
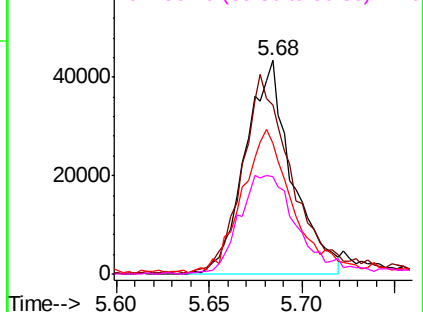
Abundance

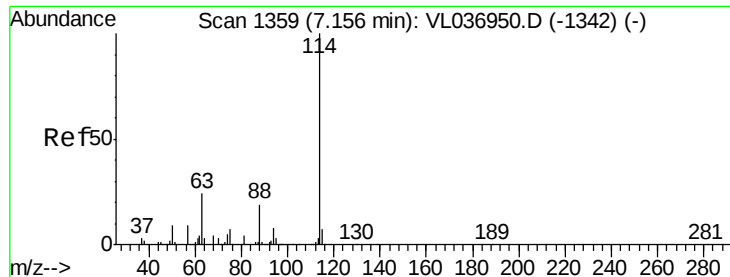
Ion 57.10 (56.80 to 57.80): VL0

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

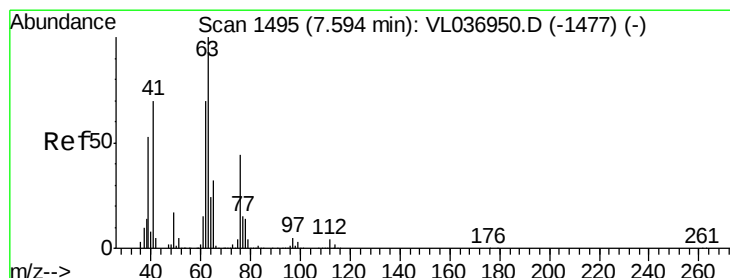
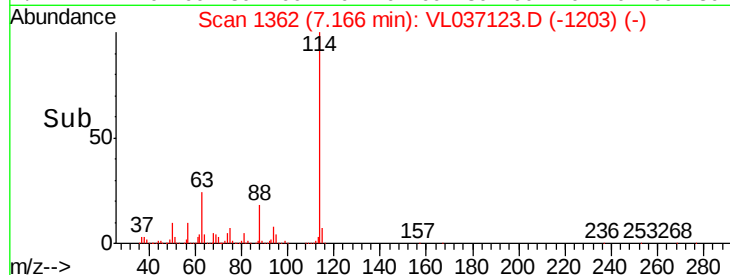
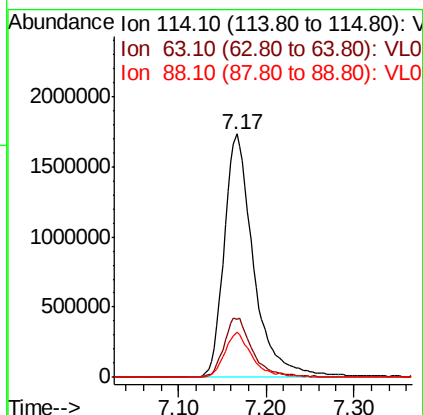
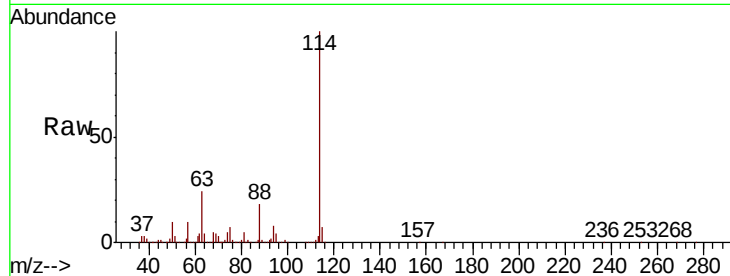




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.01 min
 Lab File: VL037123.D
 Acq: 3 Jun 2021 5:31

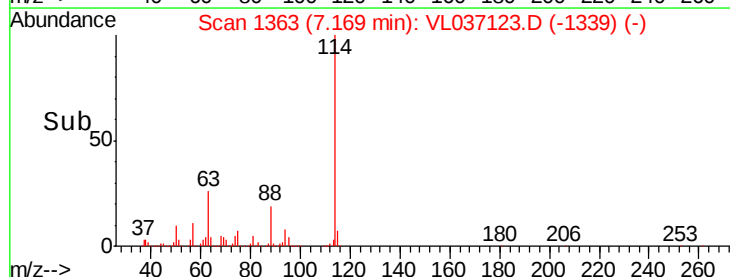
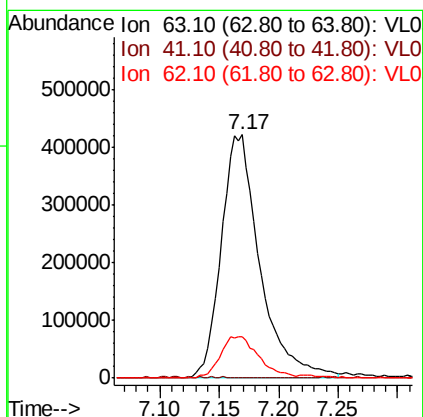
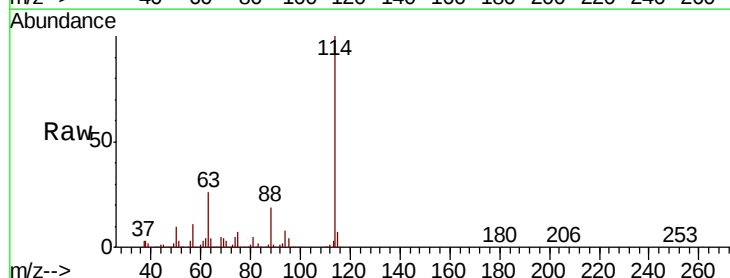
Instrument :
 MSVOA_L
 ClientSampleId :

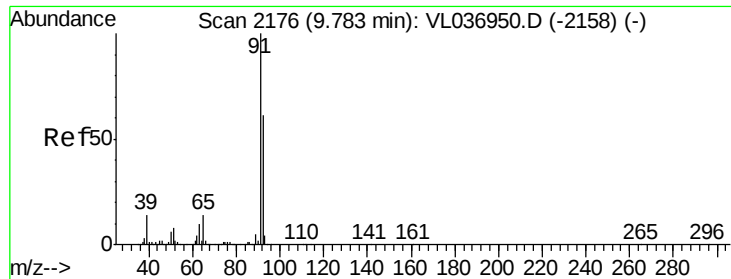
Tot Ion:114 Resp: 4030916
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.6 29.4
 88 17.6 14.6 21.8



#39
 1,2-Dichloropropane
 Concen: 7.062 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.42 min
 Lab File: VL037123.D
 Acq: 3 Jun 2021 5:31

Tgt Ion: 63 Resp: 944514
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.7 83.5#
 62 16.9 56.2 84.4#





#53

Toluene

Concen: 0.145 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.02 min

Lab File: VL037123.D

Acq: 3 Jun 2021 5:31

Instrument :

MSVOA_L

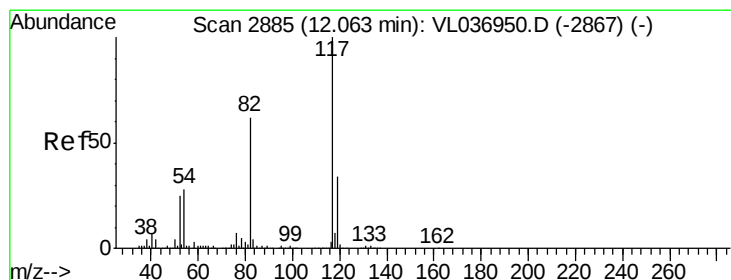
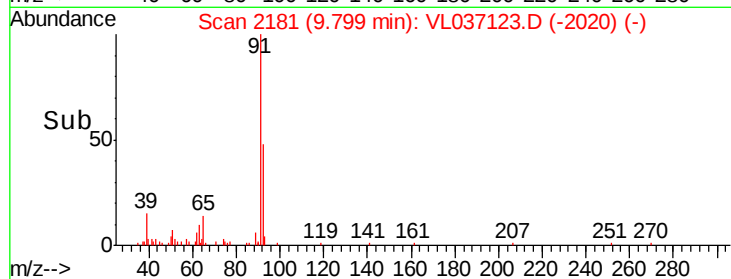
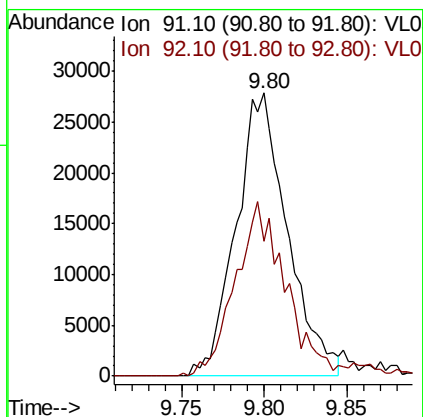
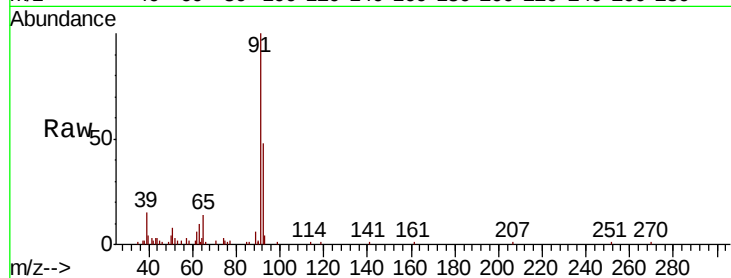
ClientSampleId :

Tot Ion: 91 Resp: 60106

Ion Ratio Lower Upper

91 100

92 63.5 49.5 74.3



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. 0.01 min

Lab File: VL037123.D

Acq: 3 Jun 2021 5:31

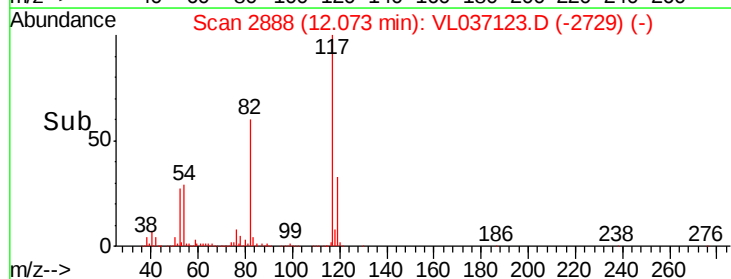
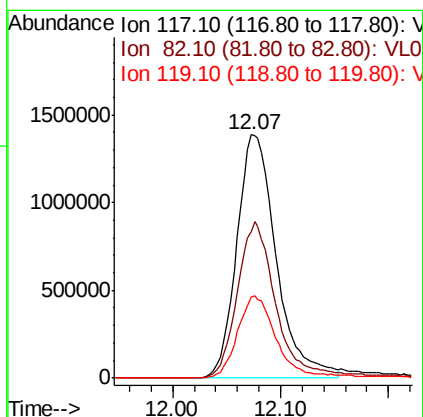
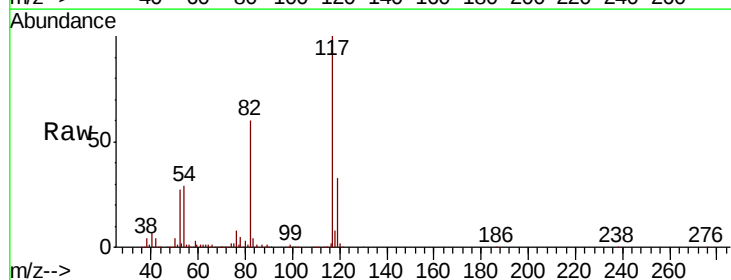
Tgt Ion: 117 Resp: 3542347

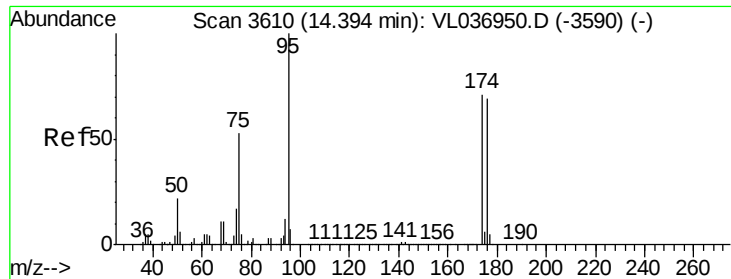
Ion Ratio Lower Upper

117 100

82 64.9 52.6 79.0

119 34.4 46.6 70.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.902 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.01 min

Lab File: VL037123.D

Acq: 3 Jun 2021 5:31

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2635035

Ion Ratio Lower Upper

95 100

174 75.0 58.4 87.6

175 5.7 4.4 6.6

