

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036656.D
 Acq On : 2 Apr 2021 22:19
 Operator : SY/AP
 Sample : M1853-04DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 03 02:59:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1272714	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3423769	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2950035	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.39	95	2328316	9.90	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%	

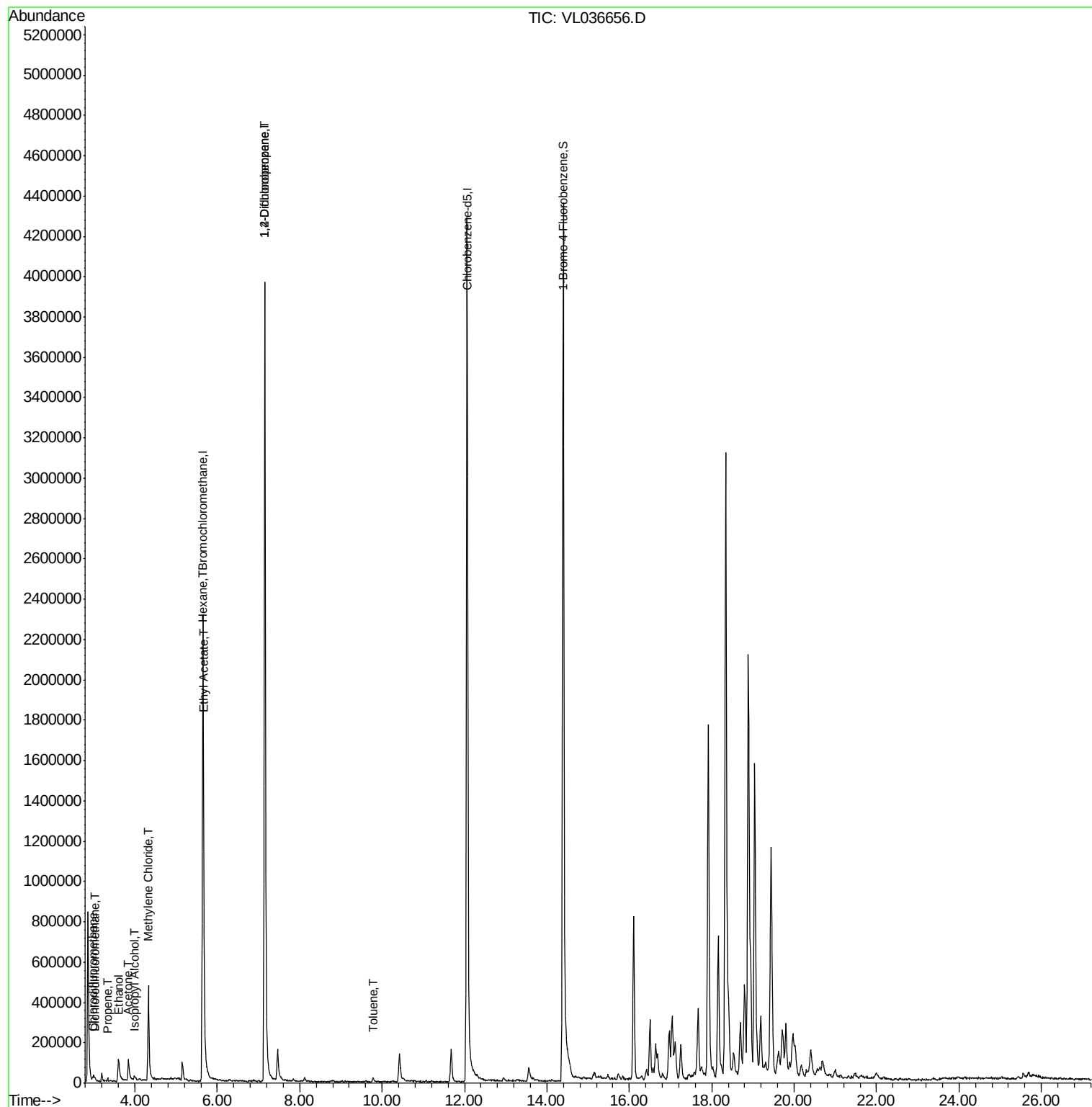
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	10015	0.048	ppbv #	82
3) Chlorodifluoromethane	2.98	51	30183	0.127	ppbv	98
9) Propene	3.34	41	4484	0.059	ppbv	97
13) Ethanol	3.60	45	162304	17.979	ppbv	97
15) Acetone	3.84	43	129767	1.036	ppbv #	77
19) Isopropyl Alcohol	3.97	45	4696	0.068	ppbv #	1
20) Methylene Chloride	4.33	84	177734	3.030	ppbv	97
25) Ethyl Acetate	5.67	43	109929	0.369	ppbv #	78
26) Hexane	5.66	57	156979	1.136	ppbv #	47
39) 1,2-Dichloropropane	7.15	63	889186	6.942	ppbv #	23
53) Toluene	9.78	91	9303	0.028	ppbv #	56

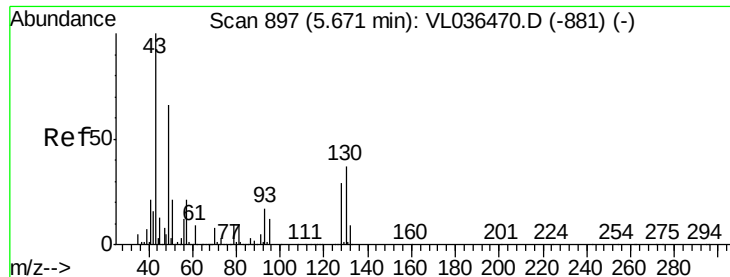
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 03 02:59:09 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.03 min

Lab File: VL036656.D

Acq: 2 Apr 2021 22:19

Instrument :
MSVOA_L
ClientSampleId :

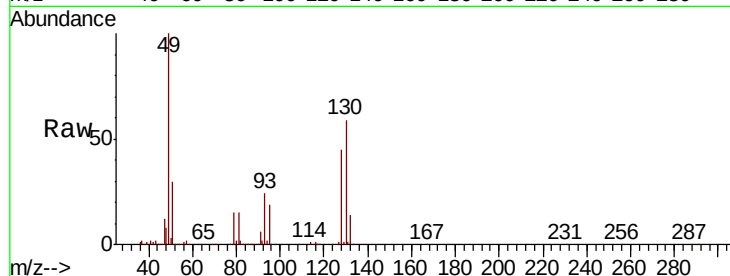
Tot Ion: 49 Resp: 1272714

Ion Ratio Lower Upper

49 100

128 50.2 23.5 70.6

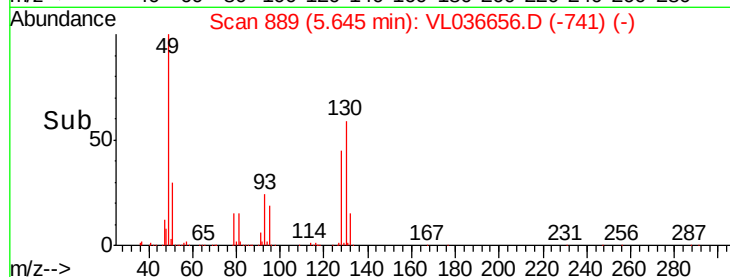
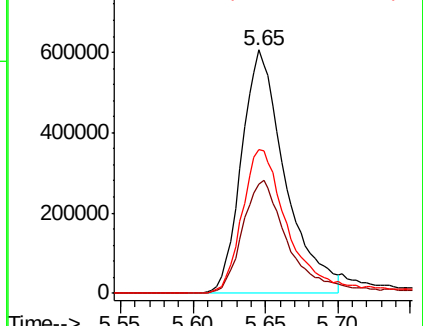
130 65.5 29.1 87.4



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: 0.048 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL036656.D

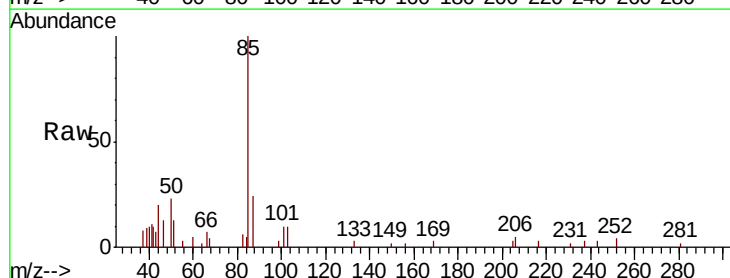
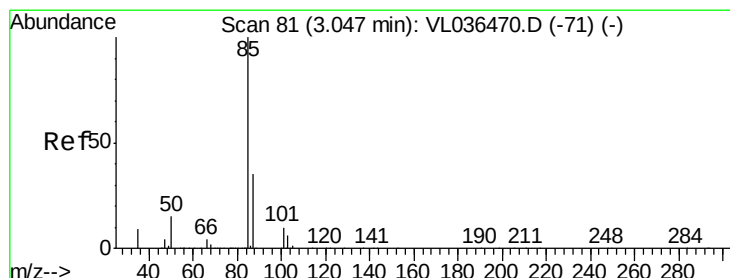
Acq: 2 Apr 2021 22:19

Tgt Ion: 85 Resp: 10015

Ion Ratio Lower Upper

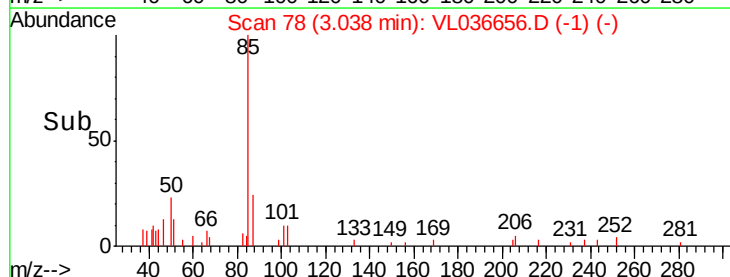
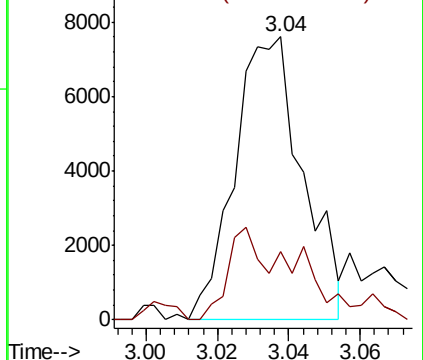
85 100

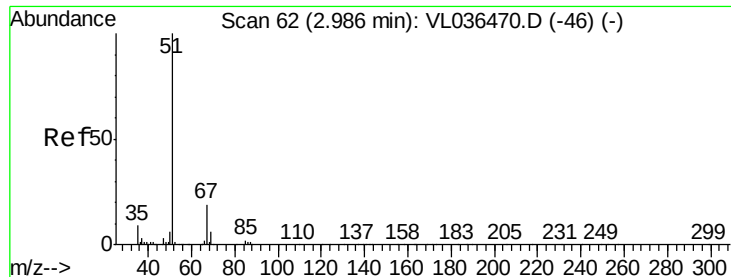
87 24.3 27.8 41.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.127 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL036656.D

Acq: 2 Apr 2021 22:19

Instrument :

MSVOA_L

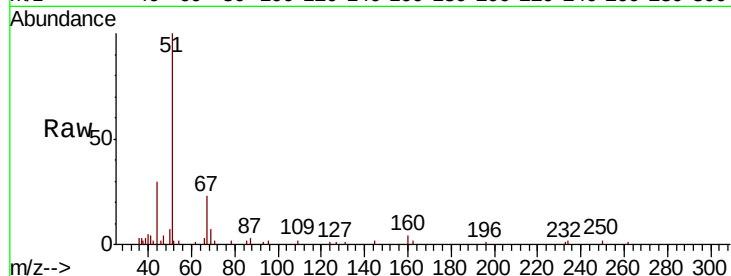
ClientSampleId :

Tot Ion: 51 Resp: 30183

Ion Ratio Lower Upper

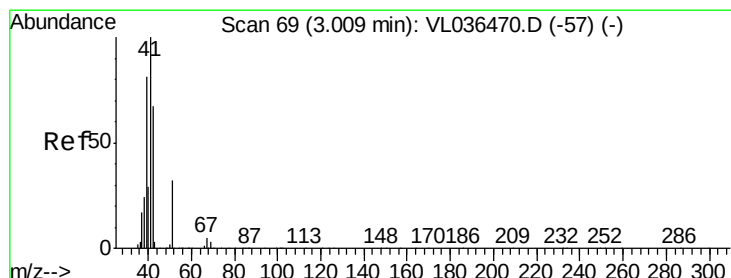
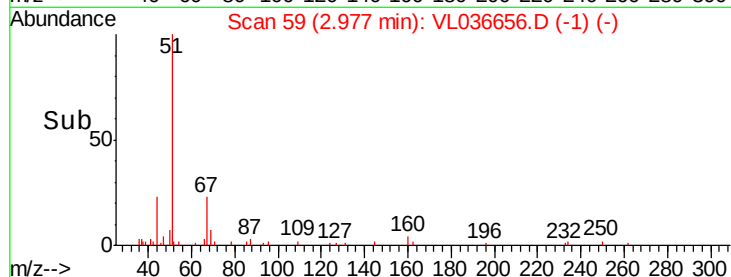
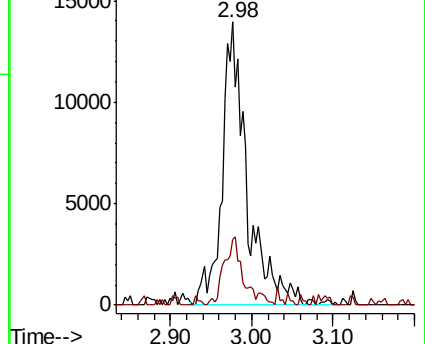
51 100

67 19.1 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.059 ppbv

RT: 3.34 min Scan# 173

Delta R.T. 0.33 min

Lab File: VL036656.D

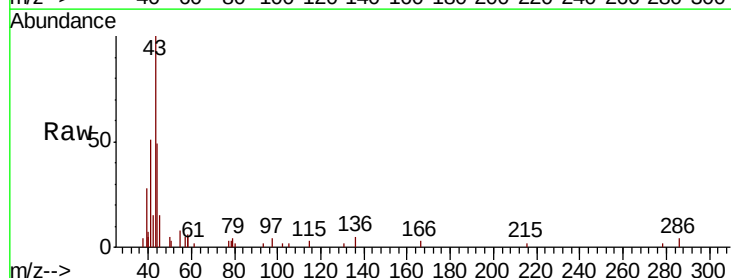
Acq: 2 Apr 2021 22:19

Tgt Ion: 41 Resp: 4484

Ion Ratio Lower Upper

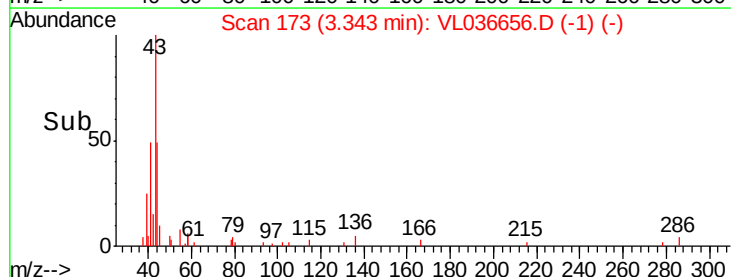
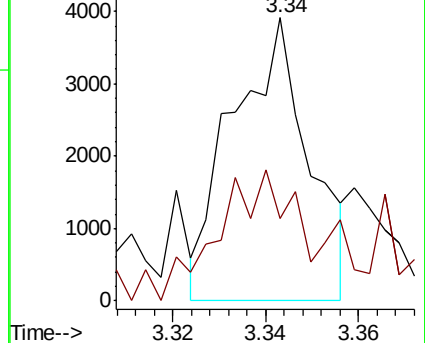
41 100

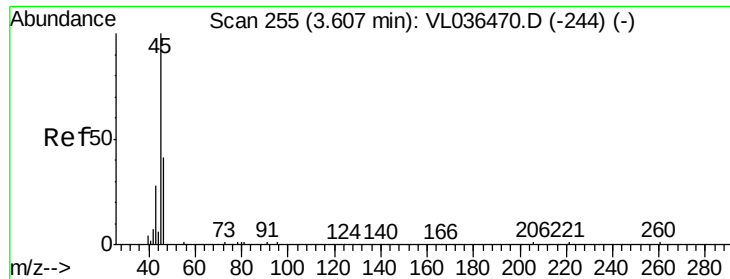
42 69.0 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 17.979 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL036656.D

Acq: 2 Apr 2021 22:19

Instrument :

MSVOA_L

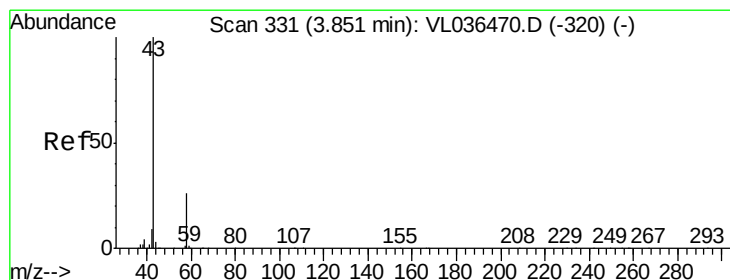
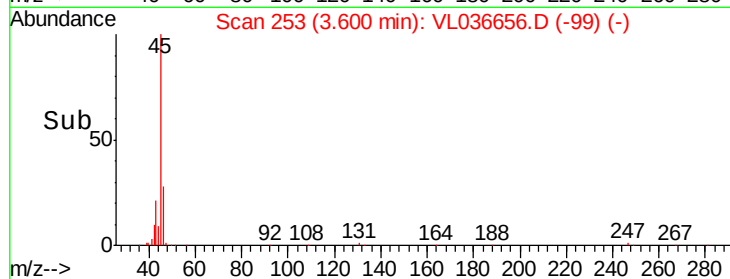
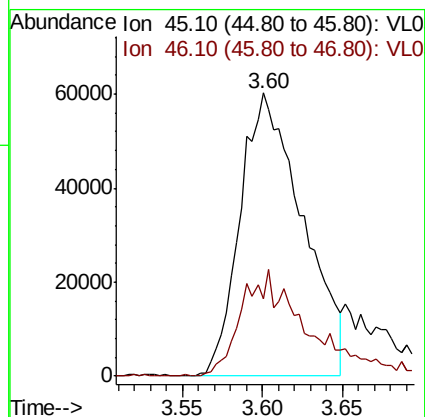
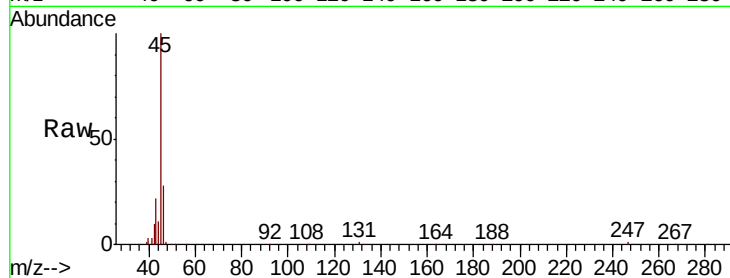
ClientSampleId :

Tot Ion: 45 Resp: 162304

Ion Ratio Lower Upper

45 100

46 39.5 16.6 66.2



#15

Acetone

Concen: 1.036 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL036656.D

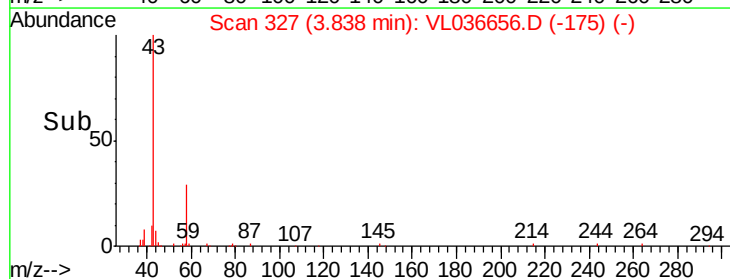
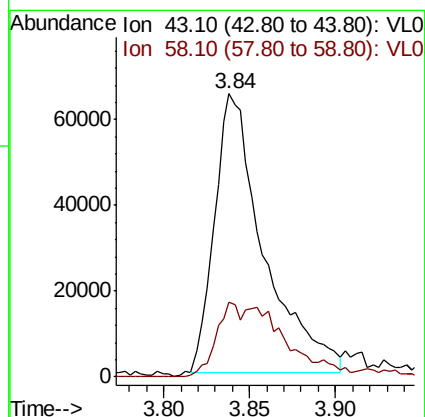
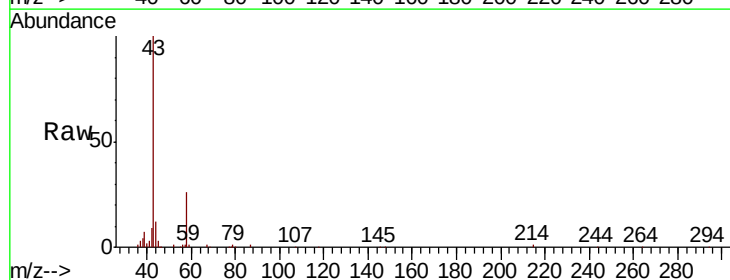
Acq: 2 Apr 2021 22:19

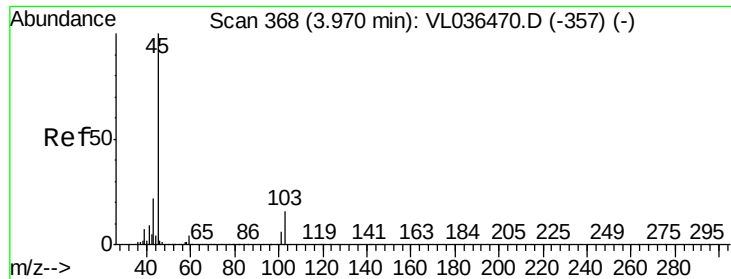
Tgt Ion: 43 Resp: 129767

Ion Ratio Lower Upper

43 100

58 38.1 21.2 31.8#





#19

Isopropyl Alcohol

Concen: 0.068 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL036656.D

Acq: 2 Apr 2021 22:19

Instrument :

MSVOA_L

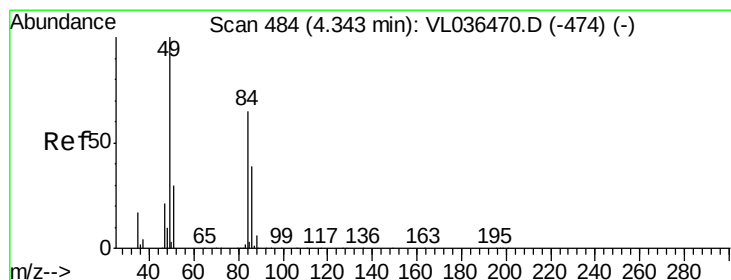
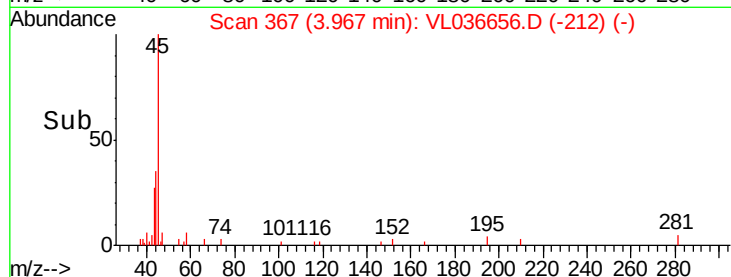
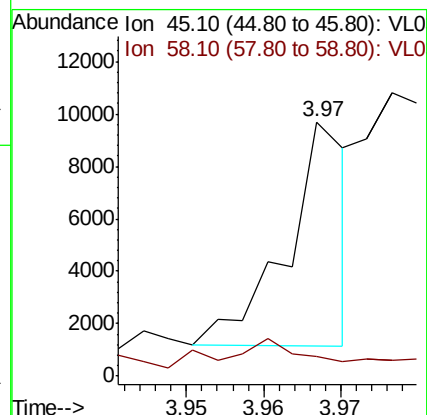
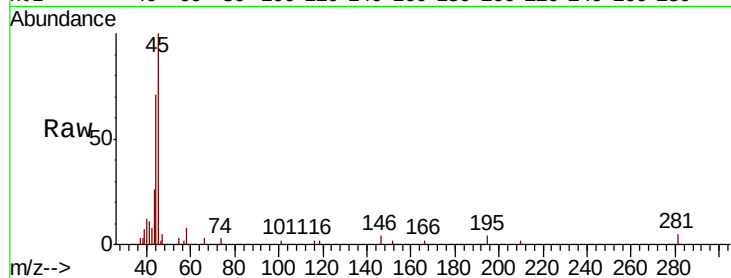
ClientSampleId :

Tot Ion: 45 Resp: 4696

Ion Ratio Lower Upper

45 100

58 51.6 2.9 4.3#



#20

Methylene Chloride

Concen: 3.030 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL036656.D

Acq: 2 Apr 2021 22:19

Tgt Ion: 84 Resp: 177734

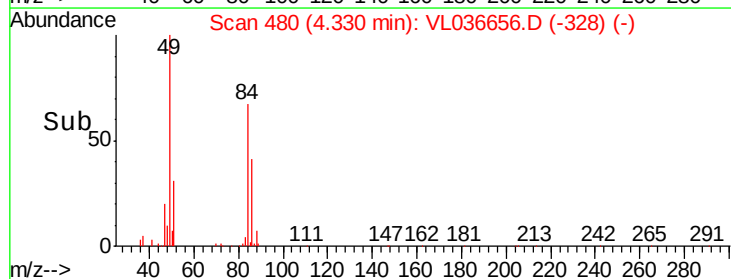
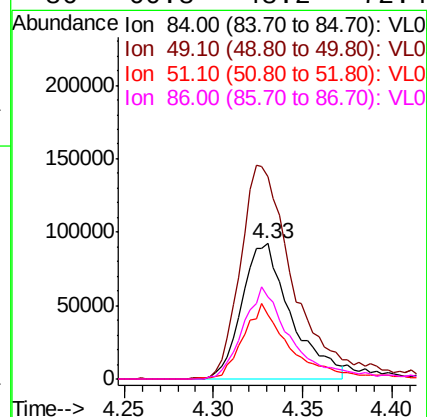
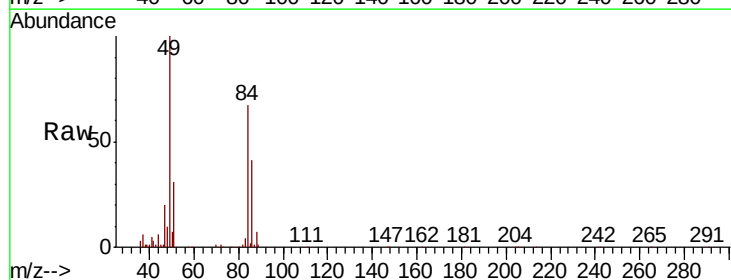
Ion Ratio Lower Upper

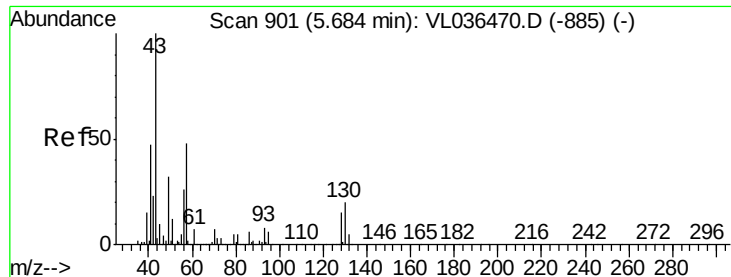
84 100

49 148.8 122.9 184.3

51 47.1 36.9 55.3

86 60.8 48.2 72.4

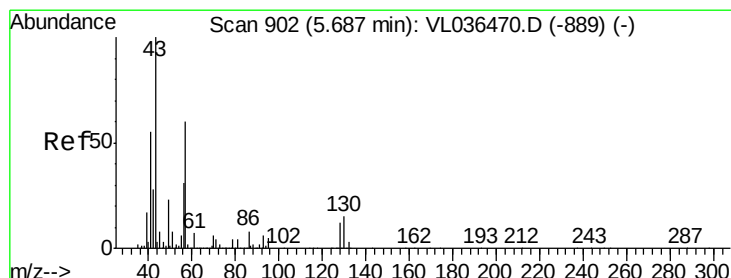
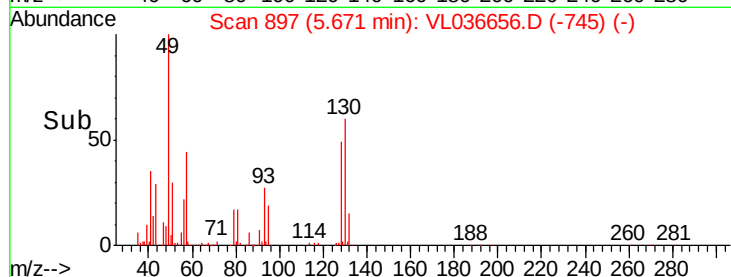
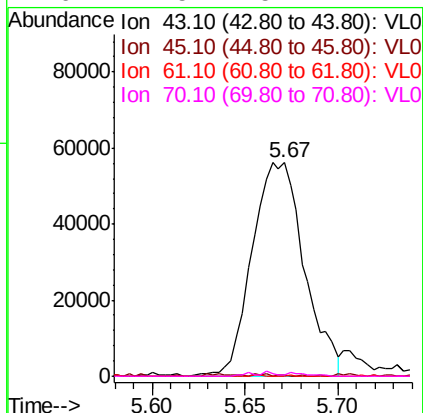
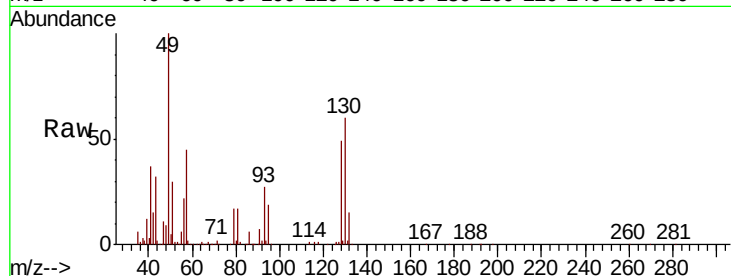




#25
Ethyl Acetate
Concen: 0.369 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL036656.D
Acq: 2 Apr 2021 22:19

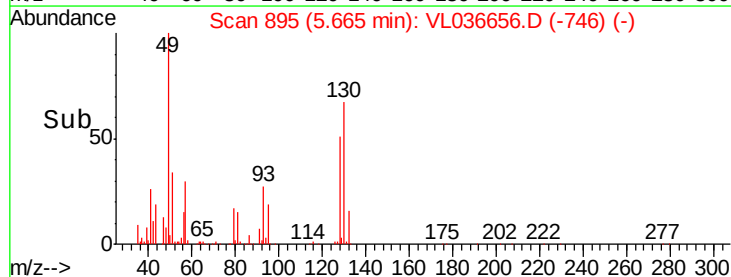
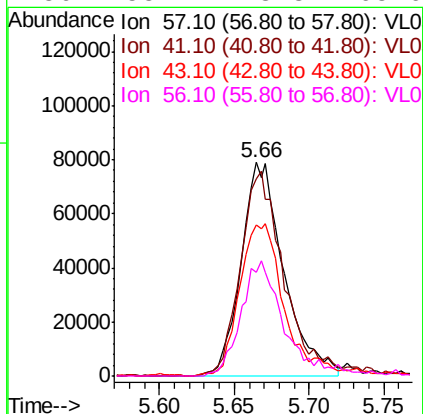
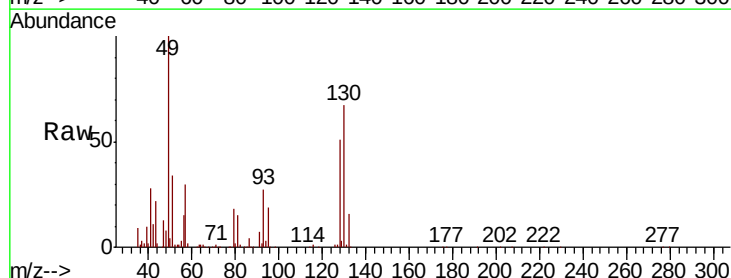
Instrument :
MSVOA_L
ClientSampled :

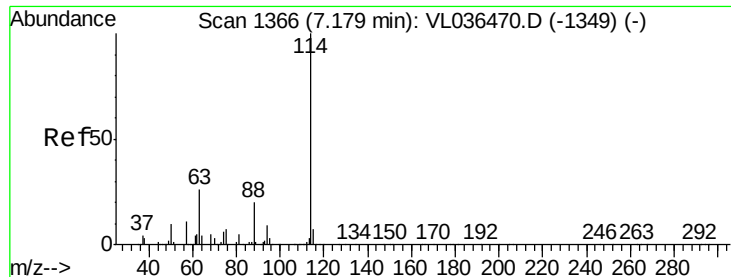
Tot Ion:	43	Resp:	109929
Ion	Ratio	Lower	Upper
43	100		
45	1.0	7.9	11.9#
61	0.0	7.4	11.2#
70	1.5	5.1	7.7#



#26
Hexane
Concen: 1.136 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL036656.D
Acq: 2 Apr 2021 22:19

Tgt Ion:	57	Resp:	156979
Ion	Ratio	Lower	Upper
57	100		
41	100.5	77.2	115.8
43	77.6	173.8	260.6#
56	55.1	43.8	65.6

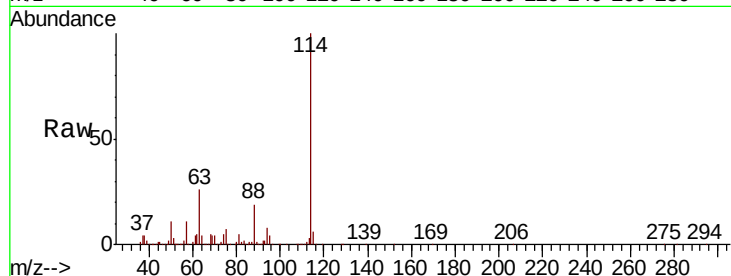




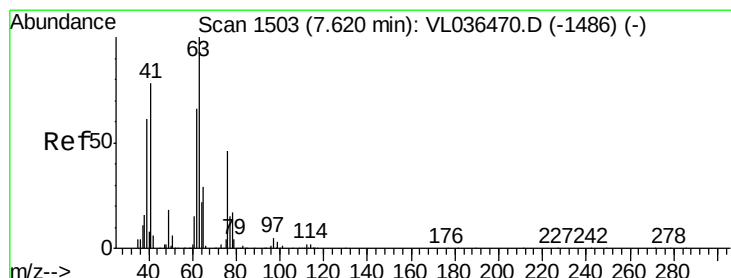
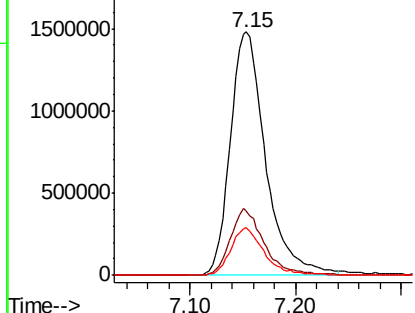
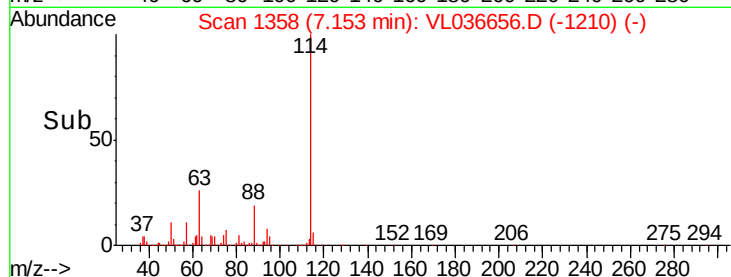
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.03 min
 Lab File: VL036656.D
 Acq: 2 Apr 2021 22:19

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3423769
 Ion Ratio Lower Upper
 114 100
 63 26.5 22.4 33.6
 88 18.7 15.4 23.0

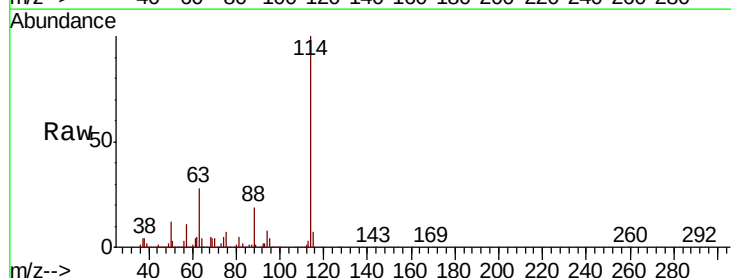


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

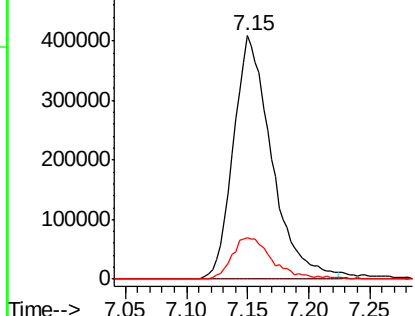
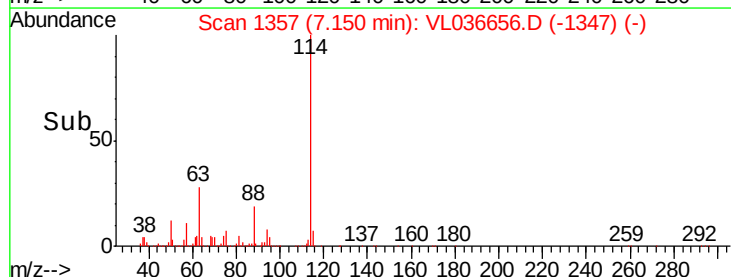


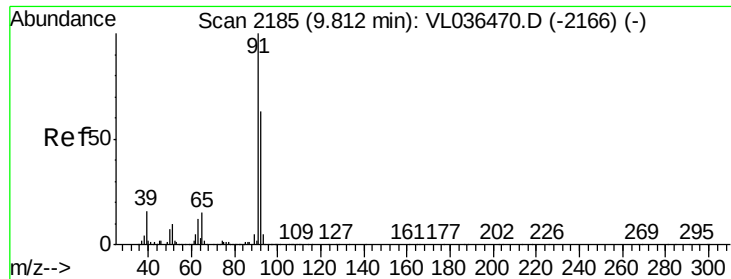
#39
 1,2-Dichloropropane
 Concen: 6.942 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.47 min
 Lab File: VL036656.D
 Acq: 2 Apr 2021 22:19

Tgt Ion: 63 Resp: 889186
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.4 93.6#
 62 17.0 52.8 79.2#



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





#53

Toluene

Concen: 0.028 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.04 min

Lab File: VL036656.D

Acq: 2 Apr 2021 22:19

Instrument :

MSVOA_L

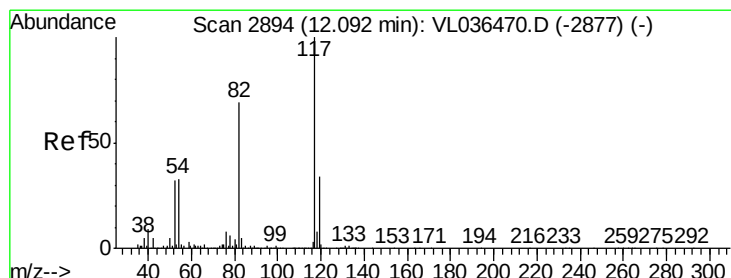
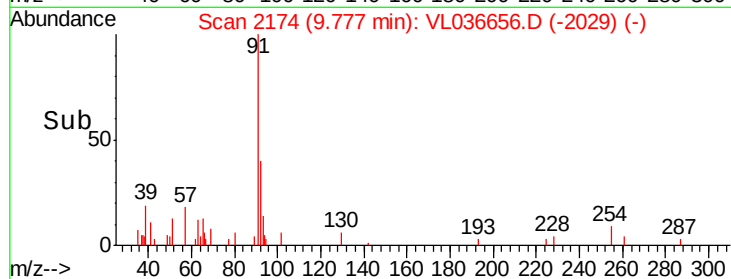
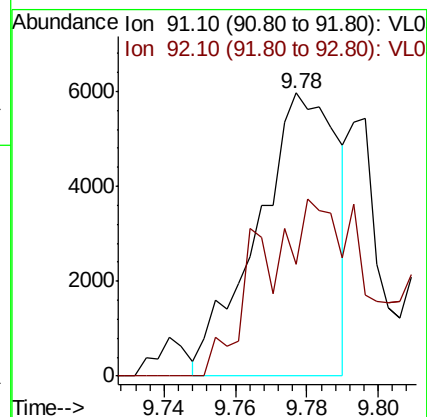
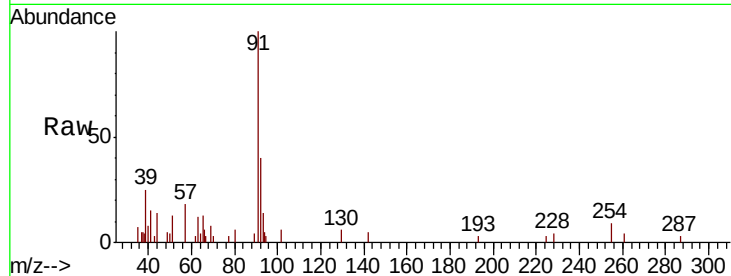
ClientSampleId :

Tot Ion: 91 Resp: 9303

Ion Ratio Lower Upper

91 100

92 94.3 48.8 73.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL036656.D

Acq: 2 Apr 2021 22:19

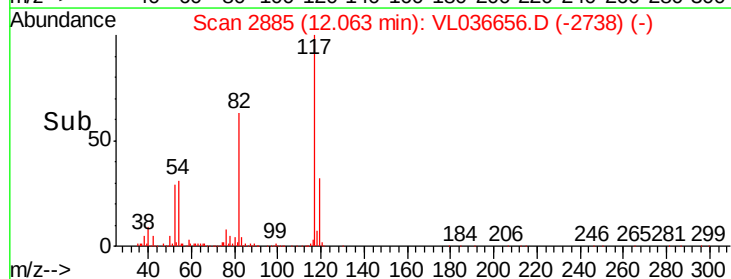
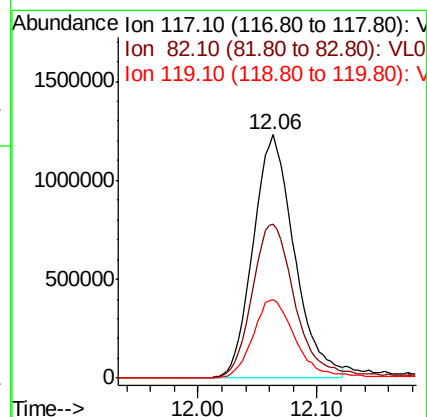
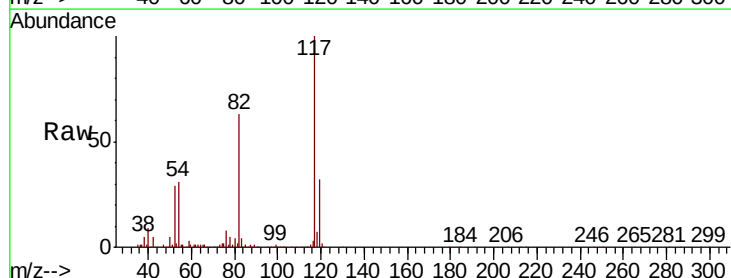
Tgt Ion: 117 Resp: 2950035

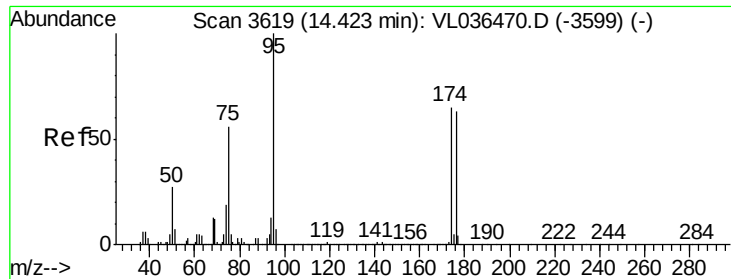
Ion Ratio Lower Upper

117 100

82 70.0 57.4 86.0

119 34.3 47.4 71.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.903 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.03 min

Lab File: VL036656.D

Acq: 2 Apr 2021 22:19

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2328316

Ion Ratio Lower Upper

95 100

174 72.2 51.0 76.6

175 5.3 3.9 5.9

