

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060821\
 Data File : VL037141.D
 Acq On : 8 Jun 2021 20:57
 Operator : SY/AP
 Sample : M2614-06DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 09 01:21:52 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	1258686	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3794460	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3309972	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2493008	10.03	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

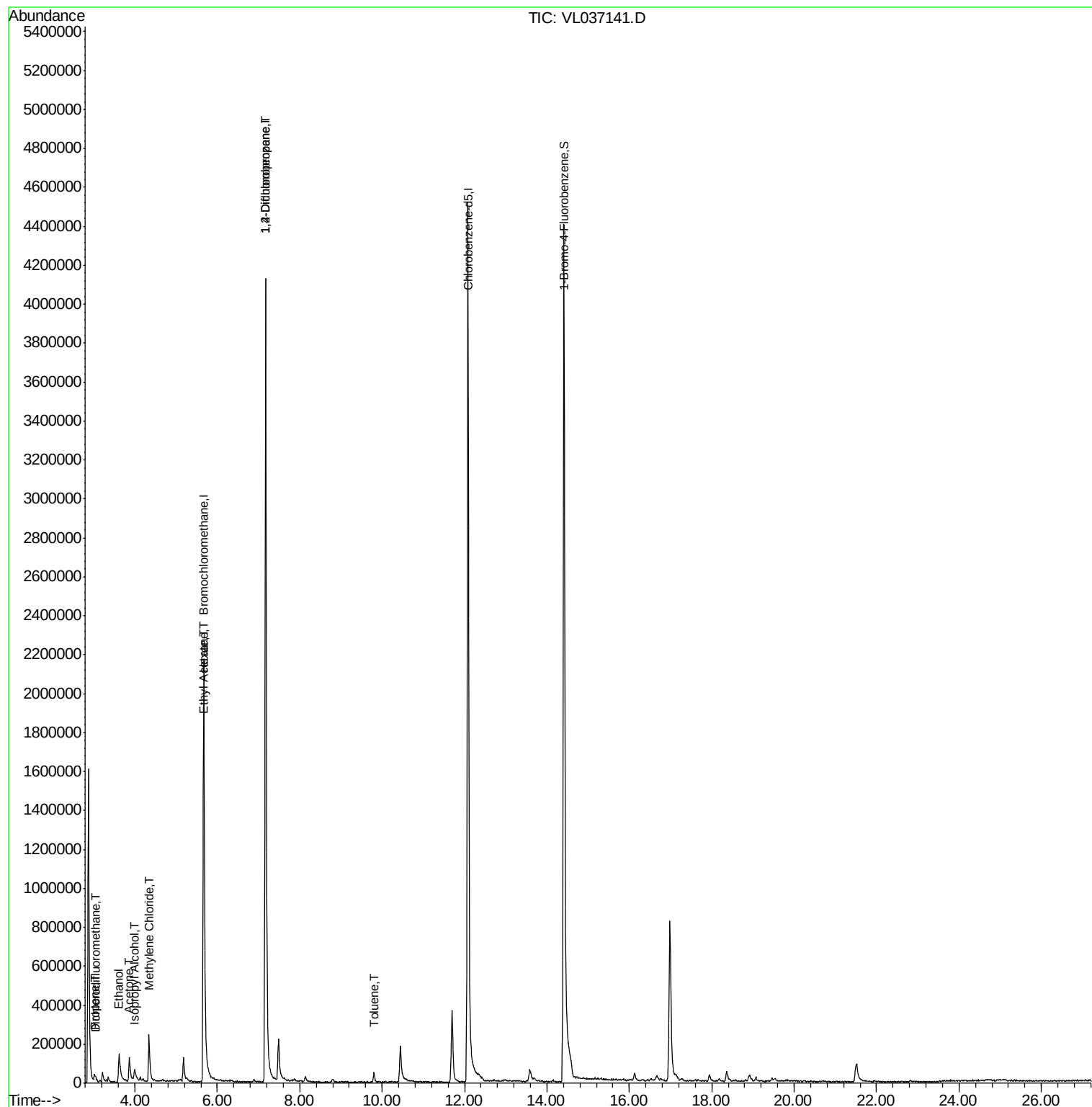
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	9644	0.045	ppbv	94
9) Propene	3.01	41	12350	0.150	ppbv	96
13) Ethanol	3.62	45	230877	20.956	ppbv	98
15) Acetone	3.86	43	106518	0.826	ppbv #	45
19) Isopropyl Alcohol	4.00	45	20060	0.289	ppbv #	55
20) Methylene Chloride	4.34	84	109012	1.577	ppbv	87
25) Ethyl Acetate	5.69	43	32422	0.105	ppbv #	76
26) Hexane	5.68	57	60632	0.383	ppbv #	48
39) 1,2-Dichloropropane	7.17	63	880722	6.995	ppbv #	26
53) Toluene	9.81	91	37598	0.097	ppbv	98

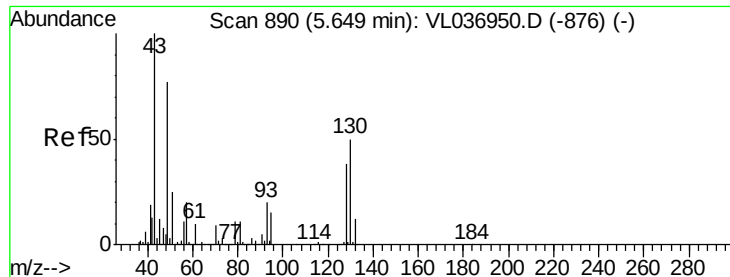
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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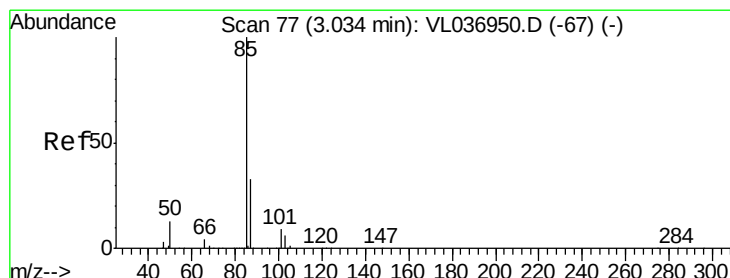
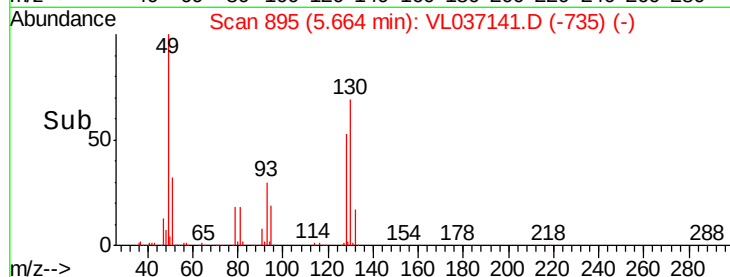
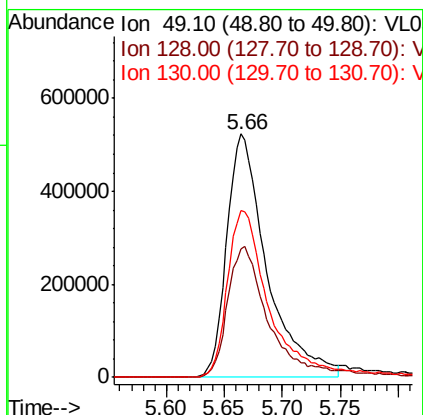
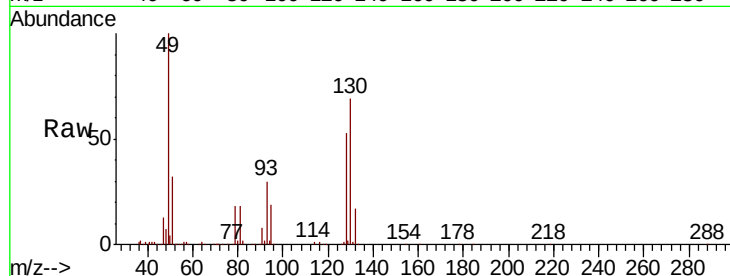




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. 0.02 min
 Lab File: VL037141.D
 Acq: 8 Jun 2021 20:57

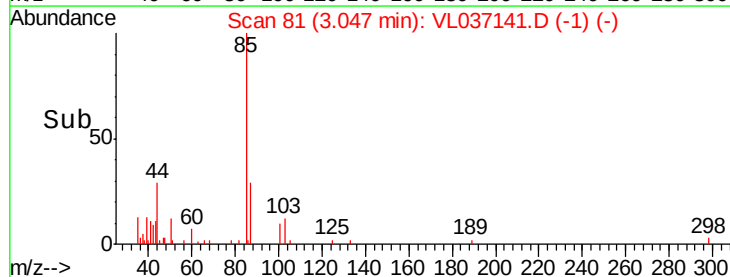
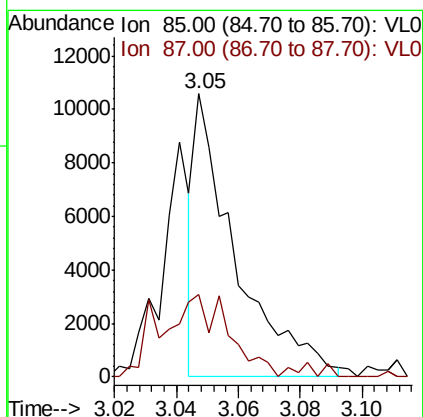
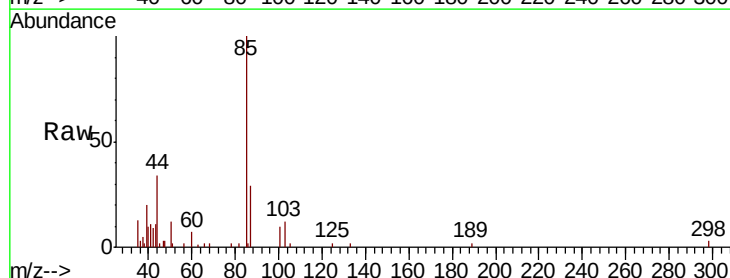
Instrument :
 MSVOA_L
 ClientSampleId :

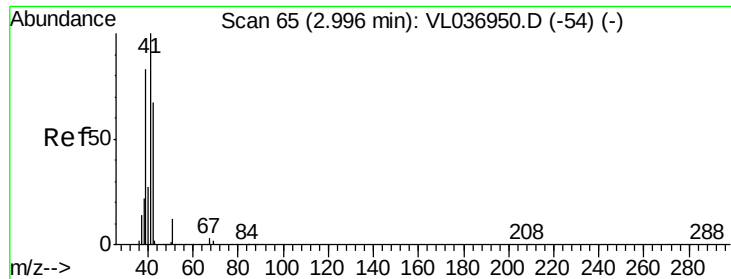
Tot Ion: 49 Resp: 1258686
 Ion Ratio Lower Upper
 49 100
 128 56.9 26.9 80.7
 130 73.6 33.8 101.4



#2
 Dichlorodifluoromethane
 Concen: 0.045 ppbv
 RT: 3.05 min Scan# 81
 Delta R.T. 0.01 min
 Lab File: VL037141.D
 Acq: 8 Jun 2021 20:57

Tgt Ion: 85 Resp: 9644
 Ion Ratio Lower Upper
 85 100
 87 30.0 26.6 39.8





#9

Propene

Concen: 0.150 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.02 min

Lab File: VL037141.D

Acq: 8 Jun 2021 20:57

Instrument :

MSVOA_L

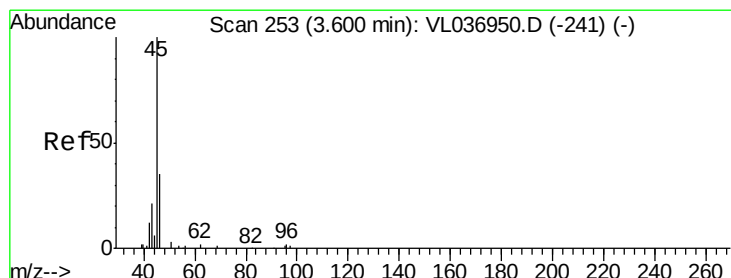
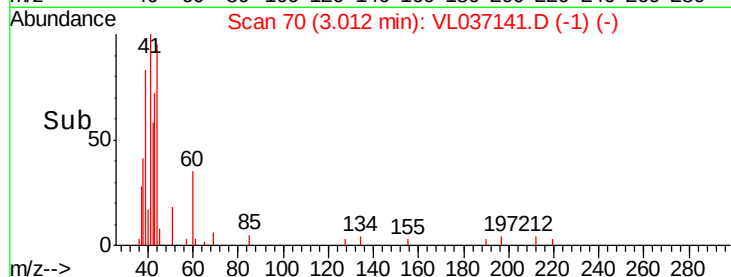
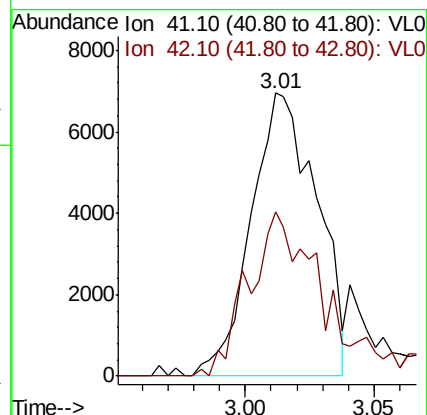
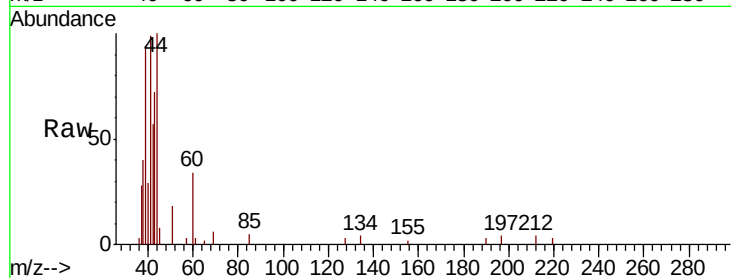
ClientSampleId :

Tot Ion: 41 Resp: 12350

Ion Ratio Lower Upper

41 100

42 64.6 53.9 80.9



#13

Ethanol

Concen: 20.956 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.02 min

Lab File: VL037141.D

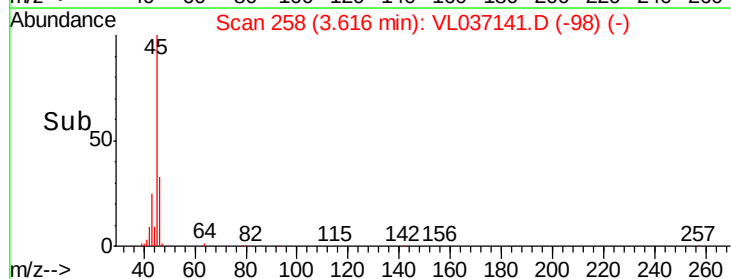
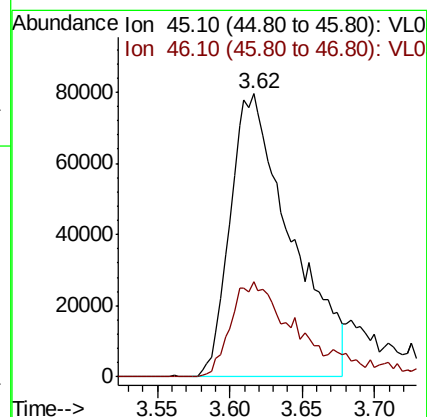
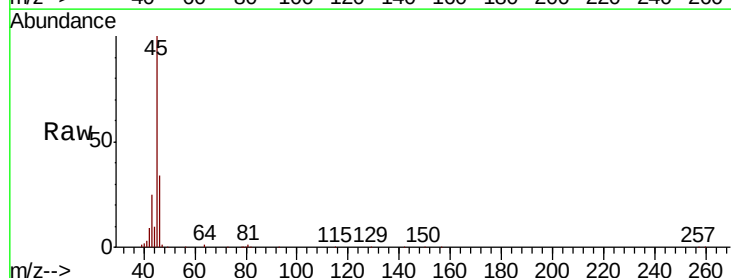
Acq: 8 Jun 2021 20:57

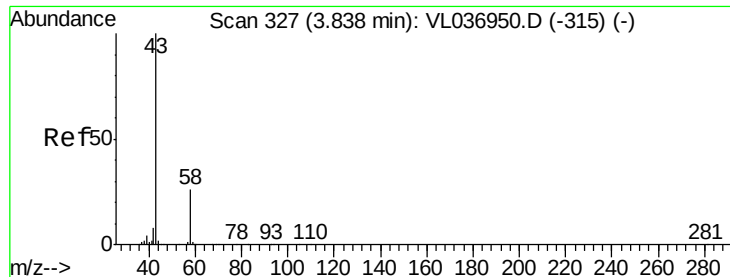
Tgt Ion: 45 Resp: 230877

Ion Ratio Lower Upper

45 100

46 41.8 16.3 65.3





#15

Acetone

Concen: 0.826 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL037141.D

Acq: 8 Jun 2021 20:57

Instrument :

MSVOA_L

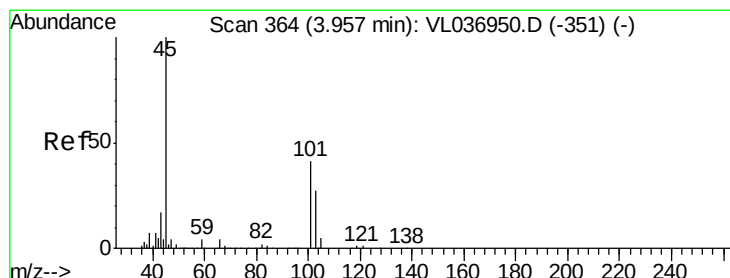
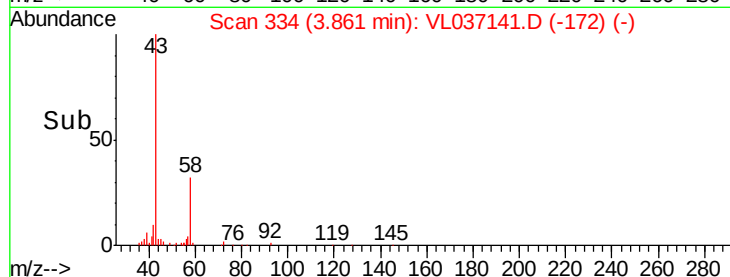
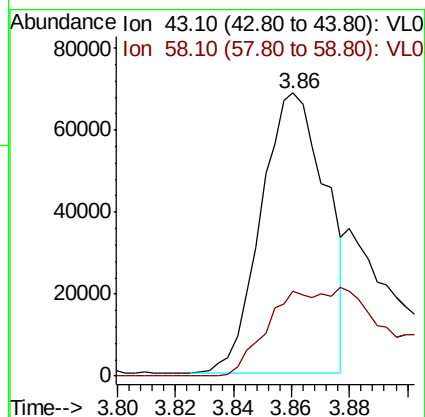
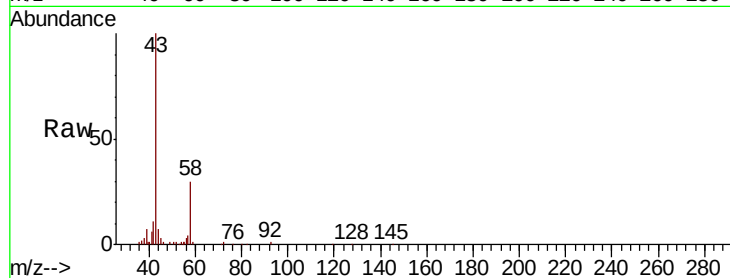
ClientSampleId :

Tot Ion: 43 Resp: 106518

Ion Ratio Lower Upper

43 100

58 0.0 24.0 36.0#



#19

Isopropyl Alcohol

Concen: 0.289 ppbv

RT: 4.00 min Scan# 377

Delta R.T. 0.04 min

Lab File: VL037141.D

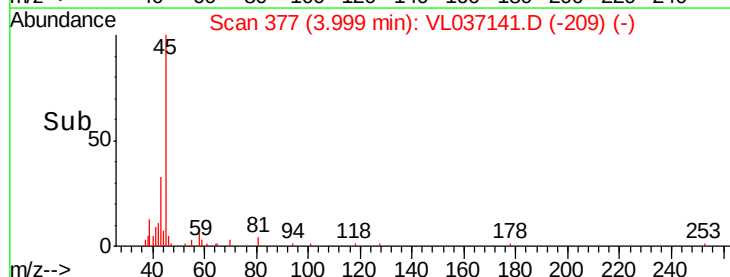
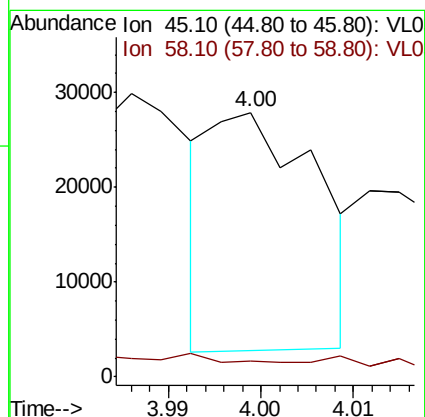
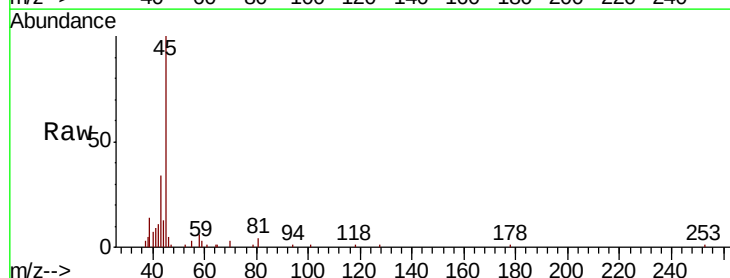
Acq: 8 Jun 2021 20:57

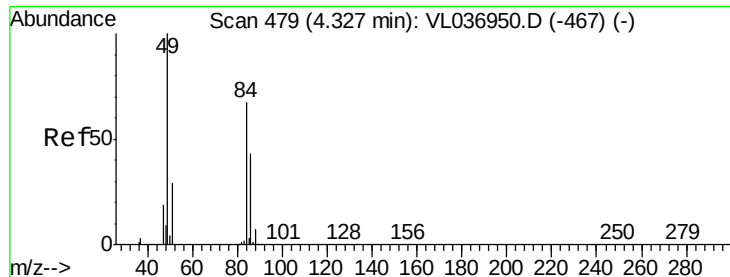
Tgt Ion: 45 Resp: 20060

Ion Ratio Lower Upper

45 100

58 16.5 37.2 55.8#

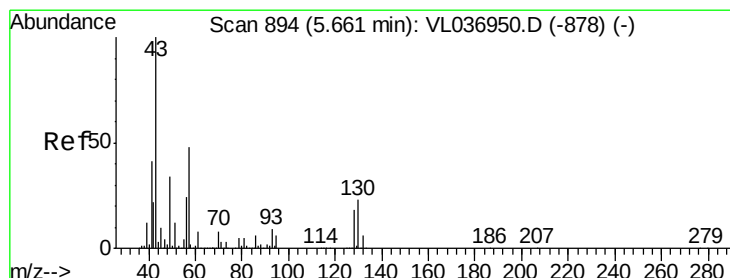
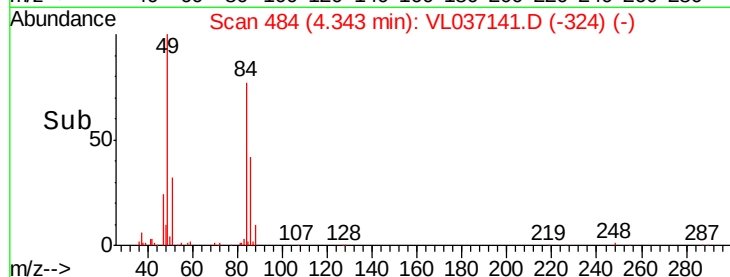
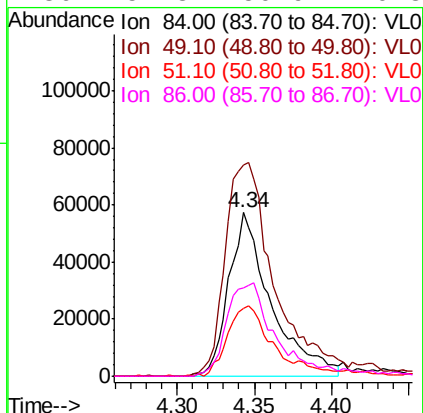
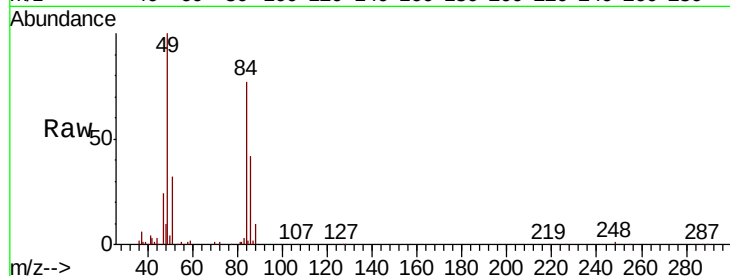




#20
Methylene Chloride
Concen: 1.577 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL037141.D
Acq: 8 Jun 2021 20:57

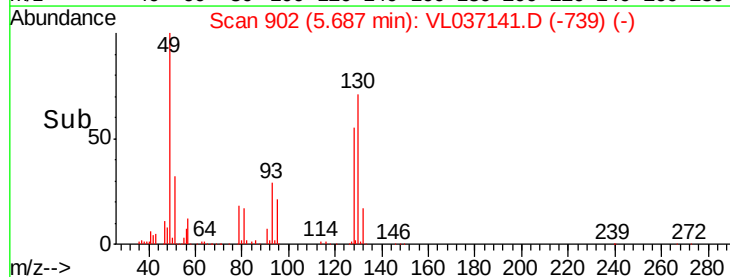
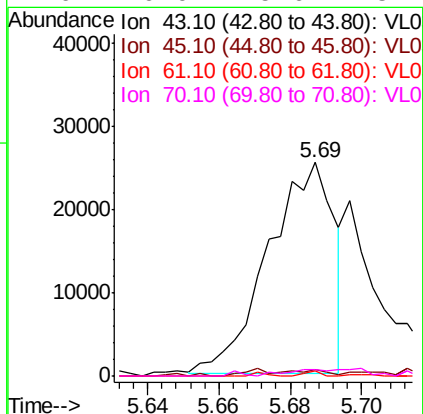
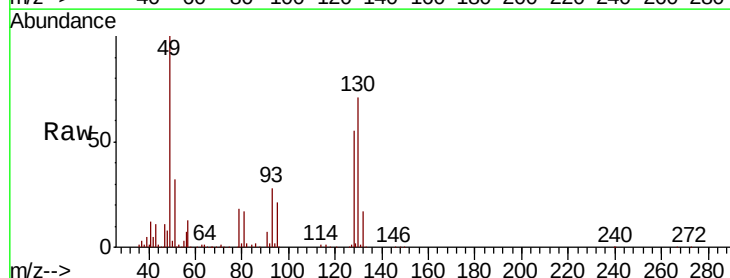
Instrument :
MSVOA_L
ClientSampleId :

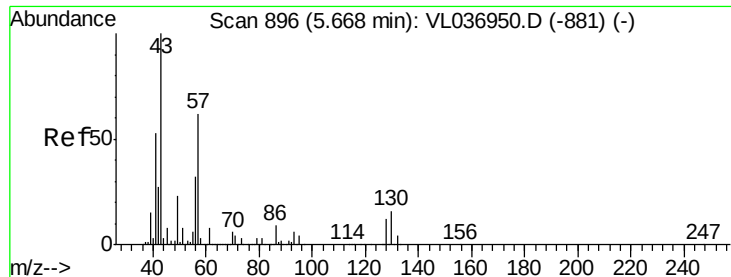
Tot Ion:	84	Resp:	109012
Ion	Ratio	Lower	Upper
84	100		
49	129.3	119.8	179.6
51	40.9	35.1	52.7
86	54.3	50.9	76.3



#25
Ethyl Acetate
Concen: 0.105 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.03 min
Lab File: VL037141.D
Acq: 8 Jun 2021 20:57

Tgt Ion:	43	Resp:	32422
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.8#
61	1.3	7.8	11.8#
70	0.0	5.6	8.4#

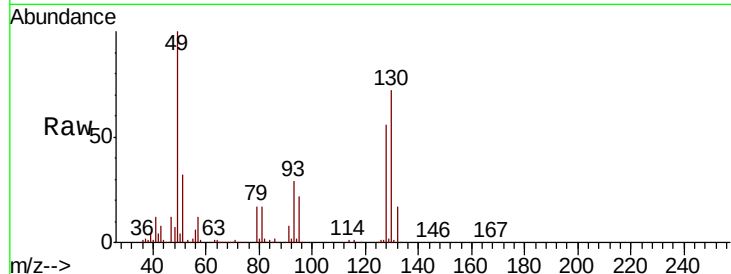




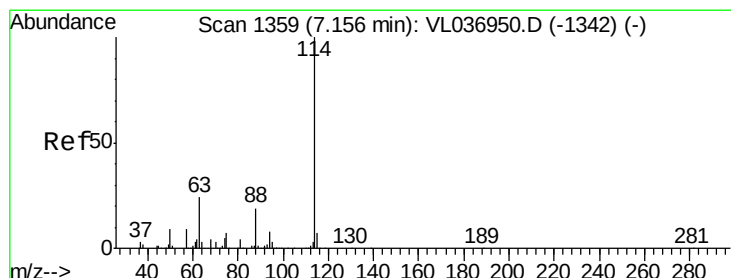
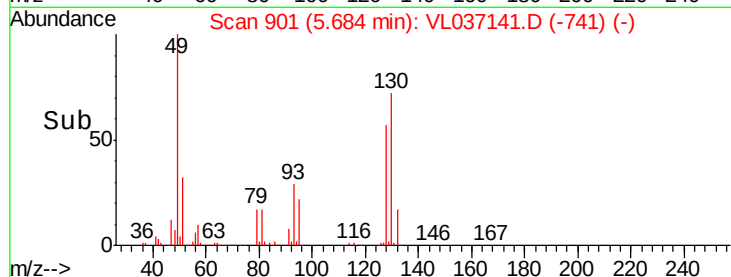
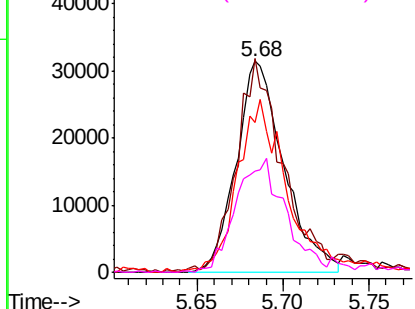
#26
Hexane
Concen: 0.383 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL037141.D
Acq: 8 Jun 2021 20:57

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 60632
Ion Ratio Lower Upper
57 100
41 106.4 70.5 105.7#
43 88.1 165.8 248.8#
56 60.4 42.2 63.4

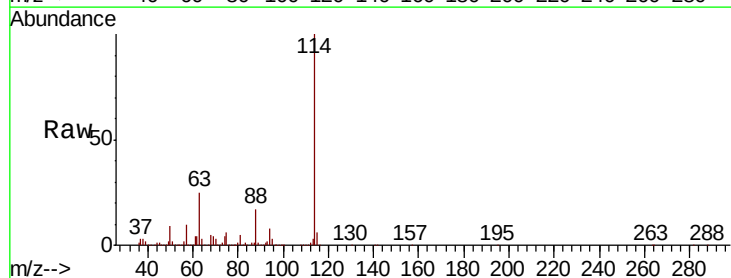


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

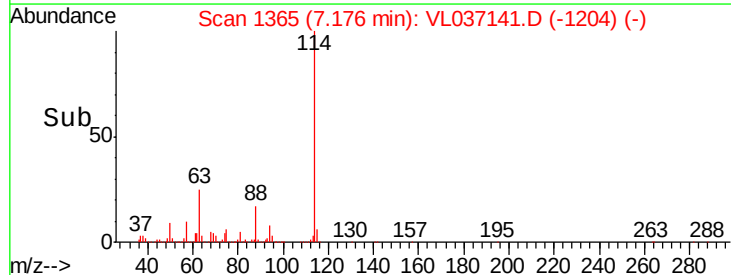
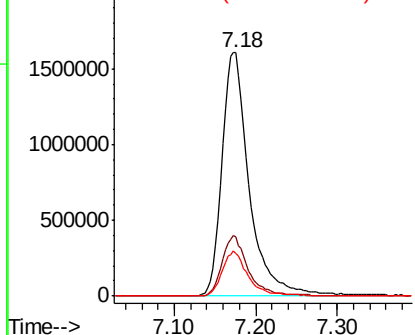


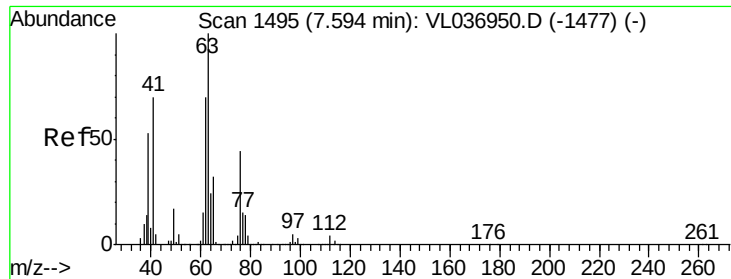
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.02 min
Lab File: VL037141.D
Acq: 8 Jun 2021 20:57

Tgt Ion: 114 Resp: 3794460
Ion Ratio Lower Upper
114 100
63 24.2 19.6 29.4
88 17.8 14.6 21.8



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





#39

1,2-Dichloropropane

Concen: 6.995 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.42 min

Lab File: VL037141.D

Acq: 8 Jun 2021 20:57

Instrument :

MSVOA_L

ClientSampleId :

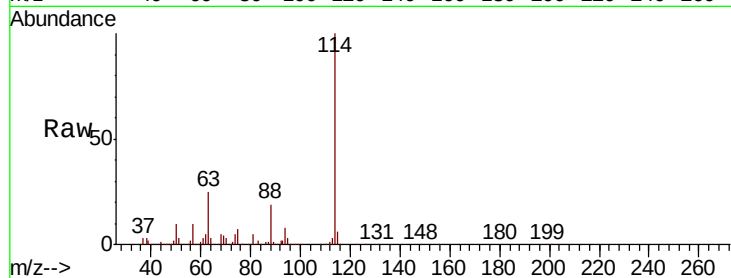
Tot Ion: 63 Resp: 880722

Ion Ratio Lower Upper

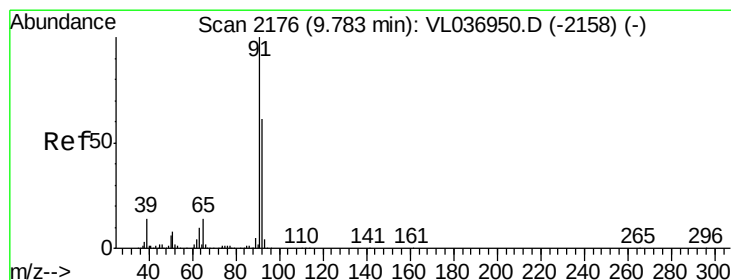
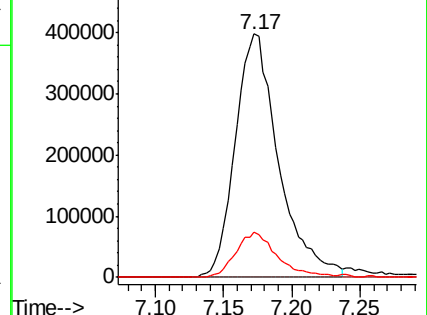
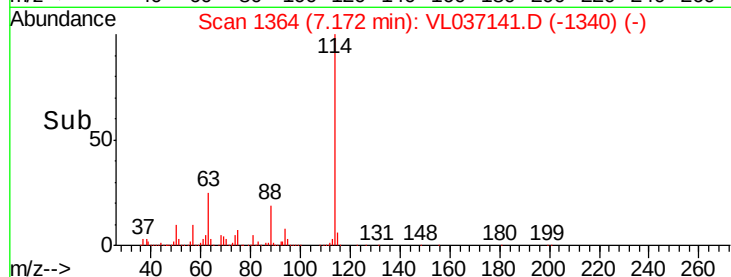
63 100

41 0.1 55.7 83.5#

62 18.4 56.2 84.4#



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: 0.097 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.03 min

Lab File: VL037141.D

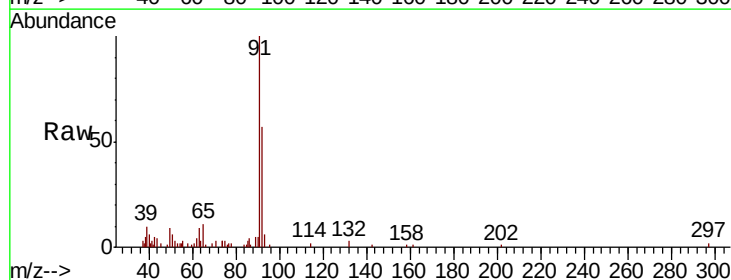
Acq: 8 Jun 2021 20:57

Tgt Ion: 91 Resp: 37598

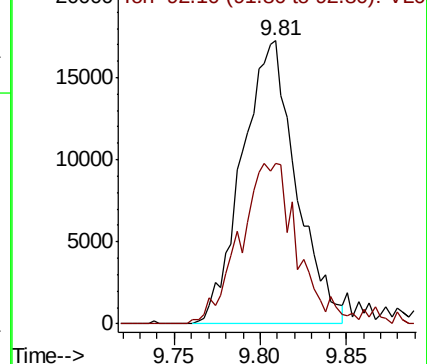
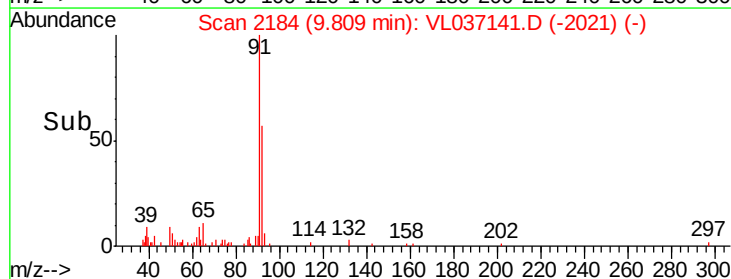
Ion Ratio Lower Upper

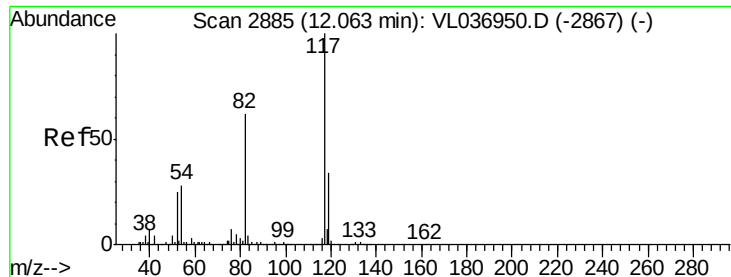
91 100

92 60.1 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0

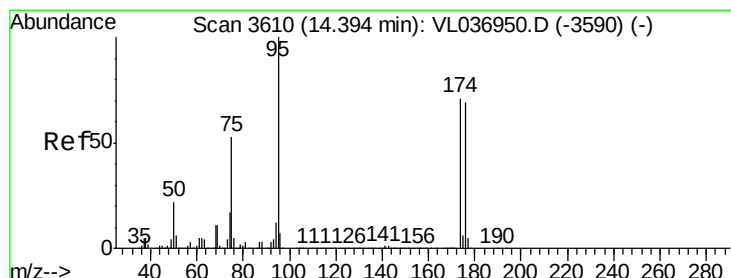
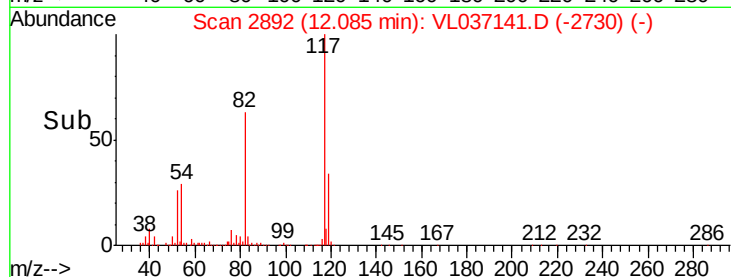
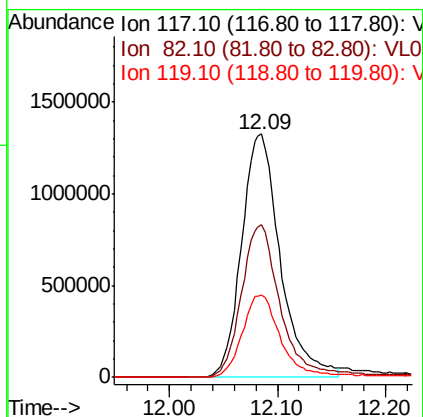
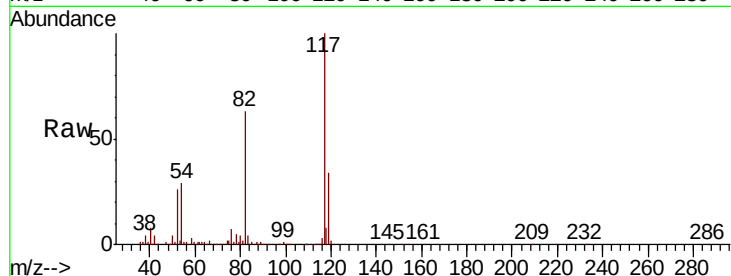




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.02 min
Lab File: VL037141.D
Acq: 8 Jun 2021 20:57

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3309972
Ion Ratio Lower Upper
117 100
82 65.6 52.6 79.0
119 34.7 46.6 70.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.026 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. 0.02 min
Lab File: VL037141.D
Acq: 8 Jun 2021 20:57

Tgt Ion: 95 Resp: 2493008
Ion Ratio Lower Upper
95 100
174 74.7 58.4 87.6
175 5.3 4.4 6.6

