

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112321\
 Data File : VL038125.D
 Acq On : 24 Nov 2021 7:54
 Operator : SY/AP
 Sample : M4805-11DL2 100X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-CURVY-BRIDE DL2

Quant Time: Nov 26 04:19:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	825226	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2378576	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	2044837	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1595931	10.82	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.20%

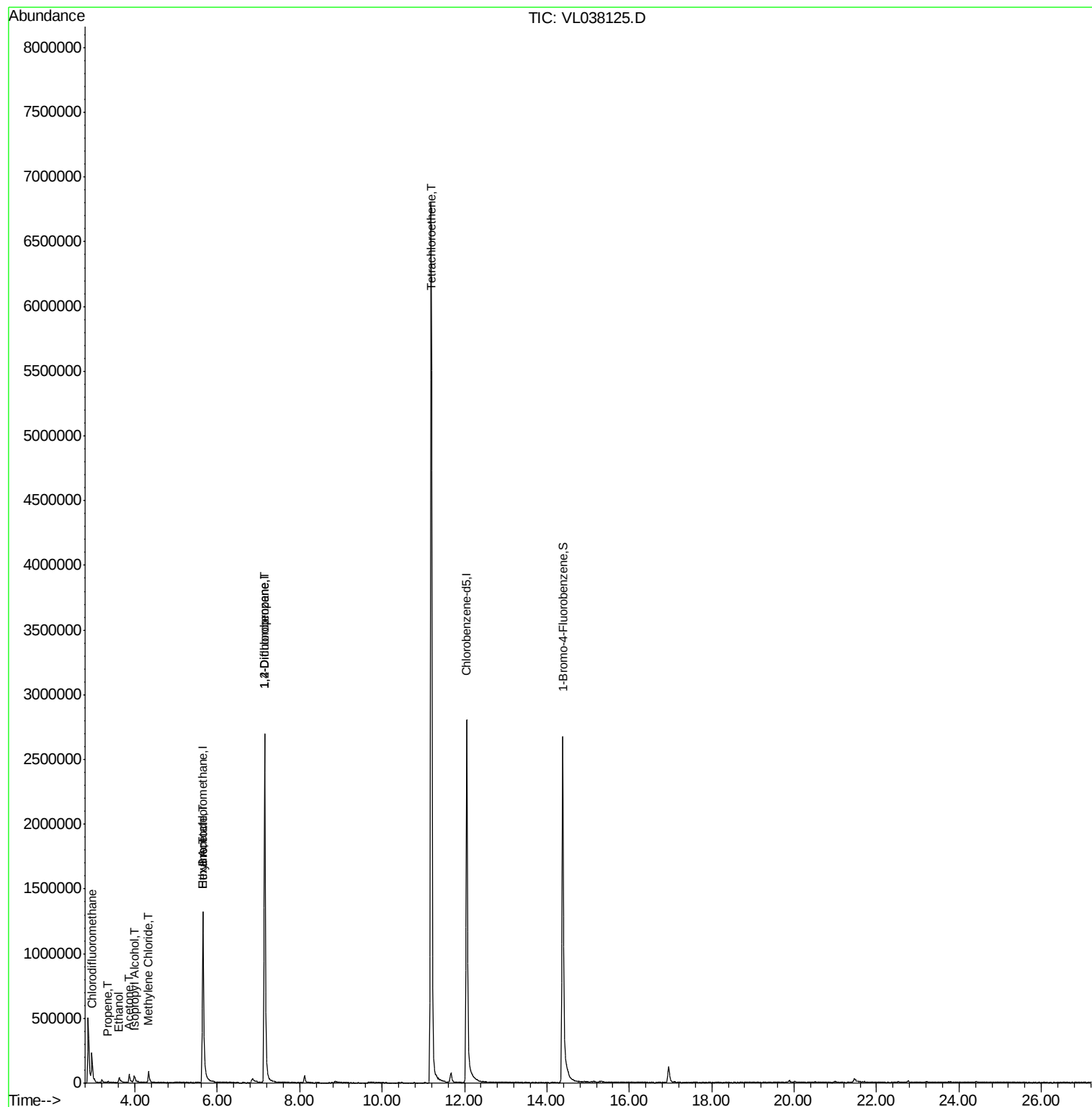
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.96	51	178177	1.028	ppbv #	60
9) Propene	3.35	41	3120	0.049	ppbv	90
13) Ethanol	3.62	45	50089	8.121	ppbv	88
15) Acetone	3.86	43	77551	1.084	ppbv	92
19) Isopropyl Alcohol	3.98	45	71403	1.381	ppbv #	86
20) Methylene Chloride	4.33	84	27638	0.690	ppbv	92
25) Ethyl Acetate	5.66	43	14072	0.059	ppbv #	81
26) Hexane	5.66	57	11003	0.096	ppbv #	41
39) 1,2-Dichloropropane	7.15	63	598862	6.580	ppbv #	27
52) Tetrachloroethene	11.19	164	1906865	21.720	ppbv	99

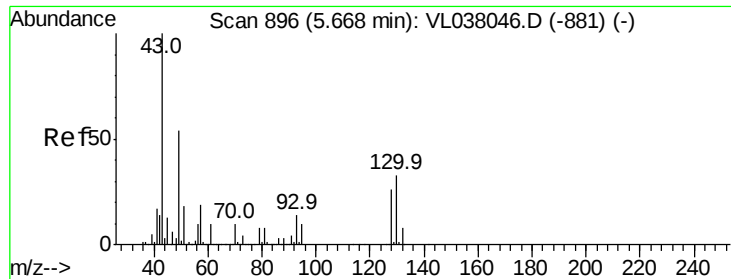
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SG-CURVY-BRIDE DL2

Quant Time: Nov 26 04:19:36 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: SG-CURVY-BRIDE12

Acq: 24 Nov 2021 7:54

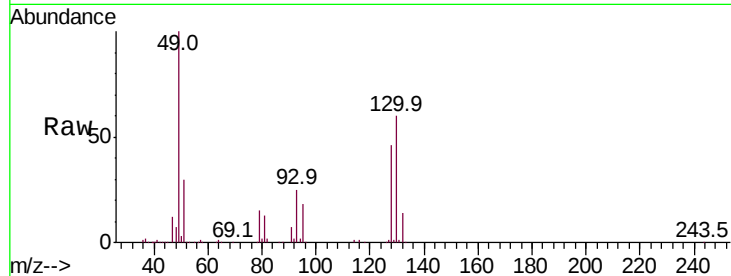
Tot Ion: 49 Resp: 825226

Ion Ratio Lower Upper

49 100

128 49.5 26.5 79.5

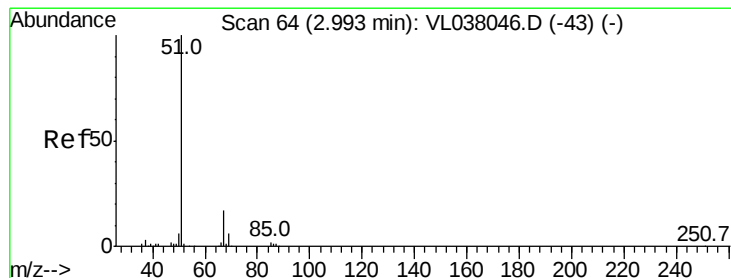
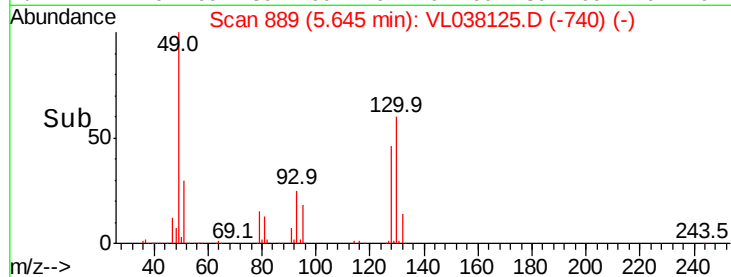
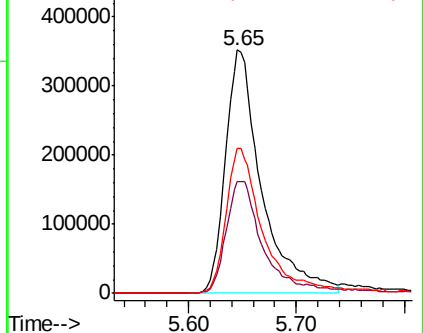
130 63.9 32.5 97.4



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: 1.028 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.04 min

Lab File: VL038125.D

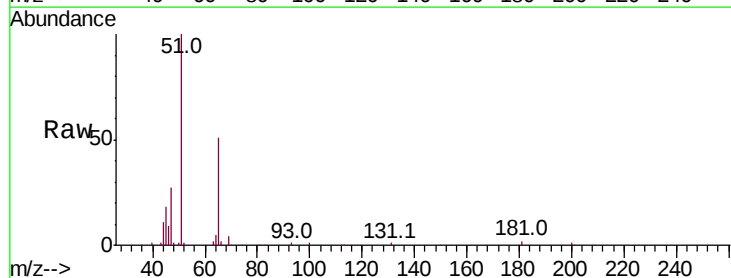
Acq: 24 Nov 2021 7:54

Tgt Ion: 51 Resp: 178177

Ion Ratio Lower Upper

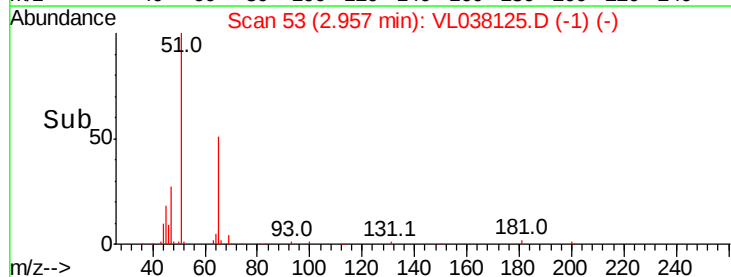
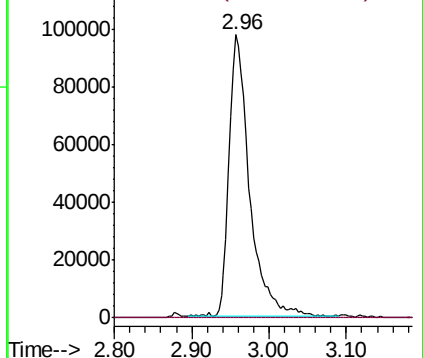
51 100

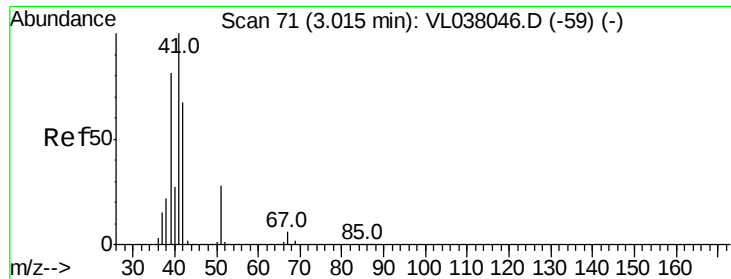
67 0.1 13.8 20.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.049 ppbv

RT: 3.35 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SG-CURVY-BRIDE12

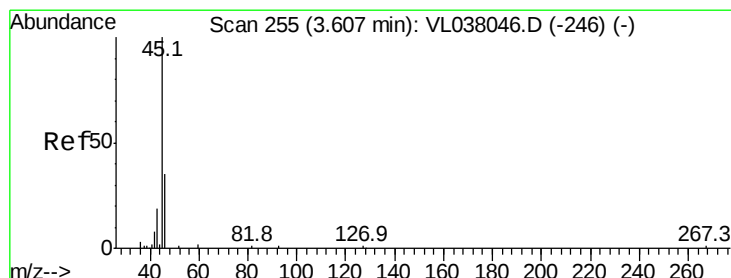
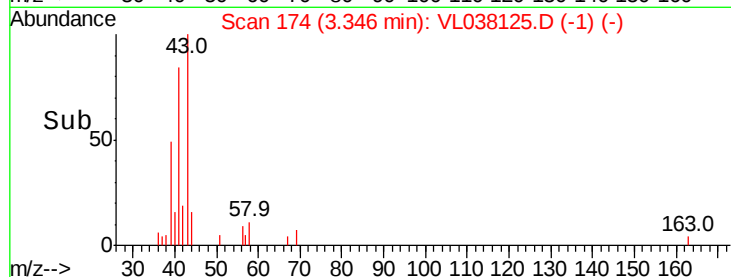
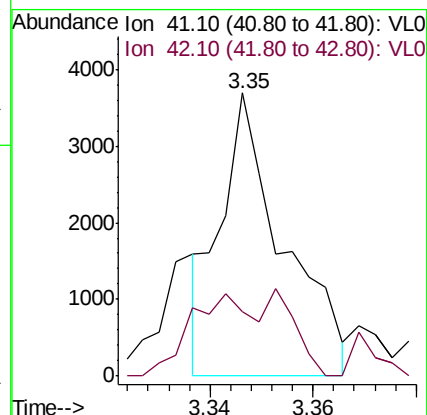
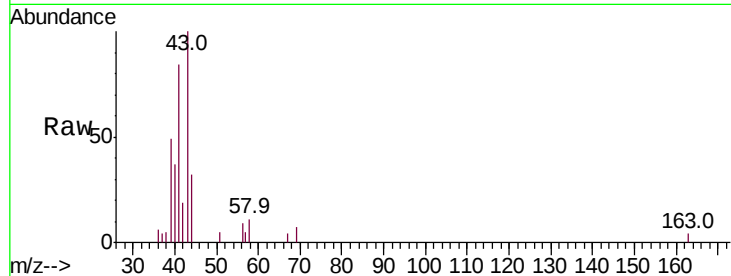
Acq: 24 Nov 2021 7:54

Tot Ion: 41 Resp: 3120

Ion Ratio Lower Upper

41 100

42 58.9 53.8 80.8



#13

Ethanol

Concen: 8.121 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL038125.D

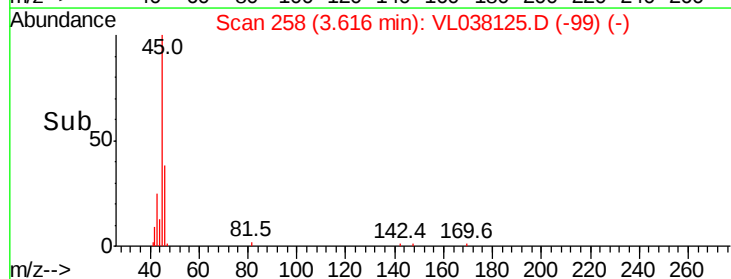
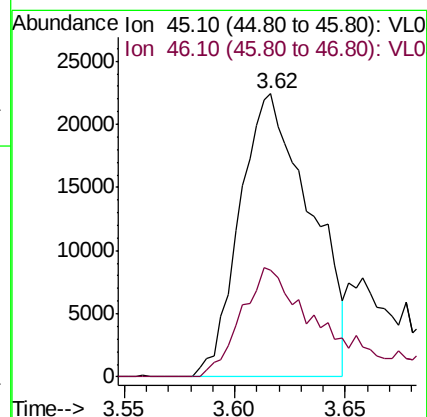
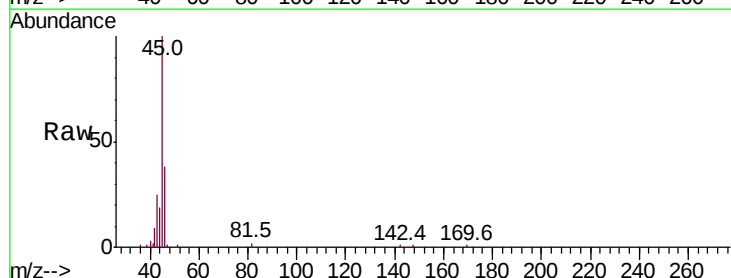
Acq: 24 Nov 2021 7:54

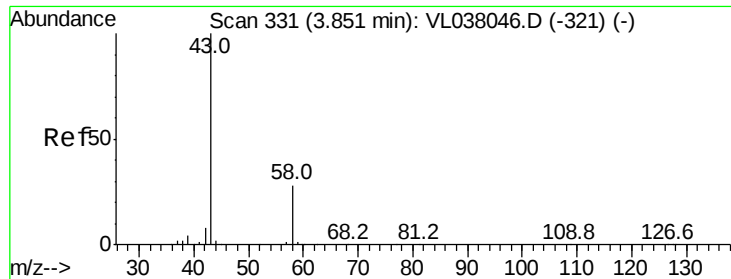
Tgt Ion: 45 Resp: 50089

Ion Ratio Lower Upper

45 100

46 51.9 17.6 70.2





#15

Acetone

Concen: 1.084 ppbv

RT: 3.86 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

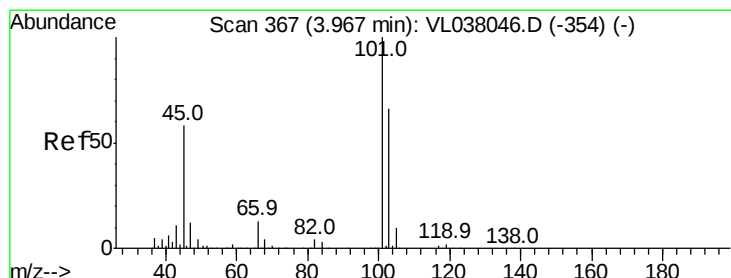
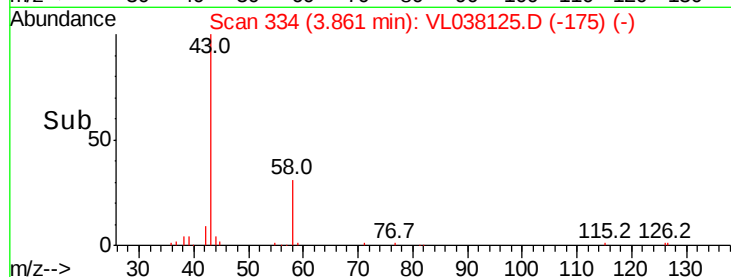
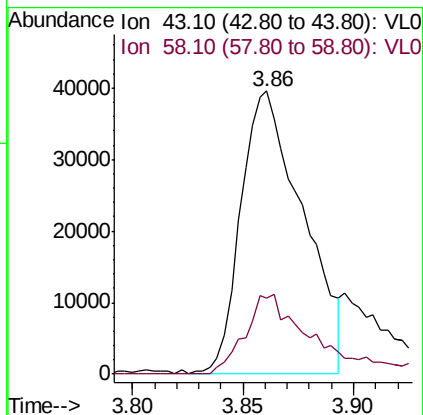
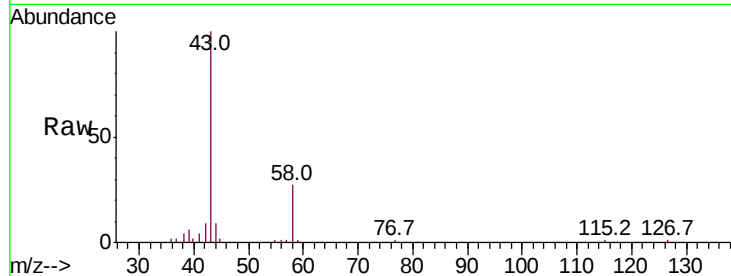
Acq: 24 Nov 2021 7:54 SG-CURVY-BRIDEDL2

Tot Ion: 43 Resp: 77551

Ion Ratio Lower Upper

43 100

58 32.0 22.4 33.6



#19

Isopropyl Alcohol

Concen: 1.381 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL038125.D

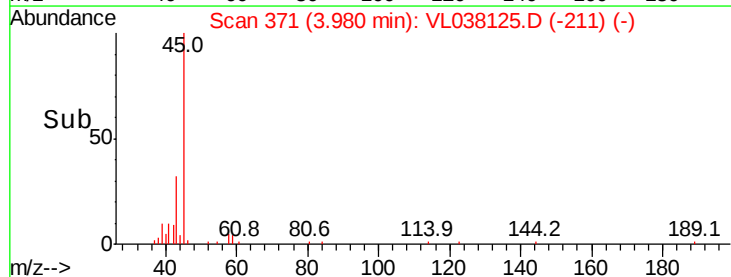
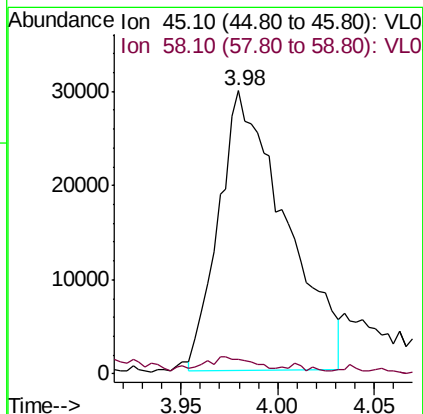
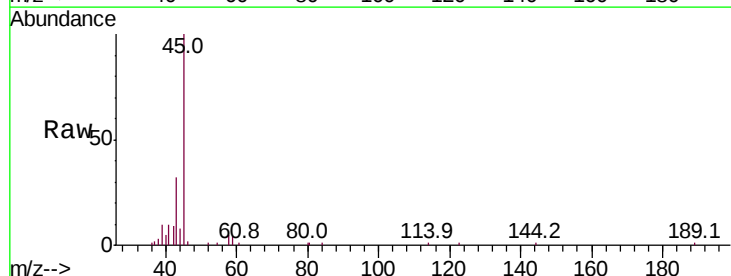
Acq: 24 Nov 2021 7:54

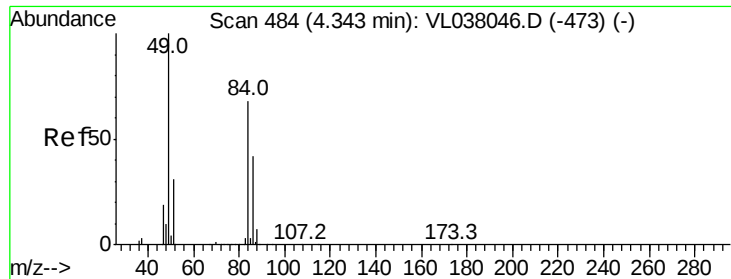
Tgt Ion: 45 Resp: 71403

Ion Ratio Lower Upper

45 100

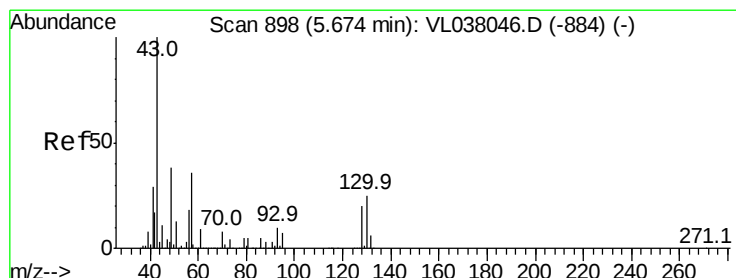
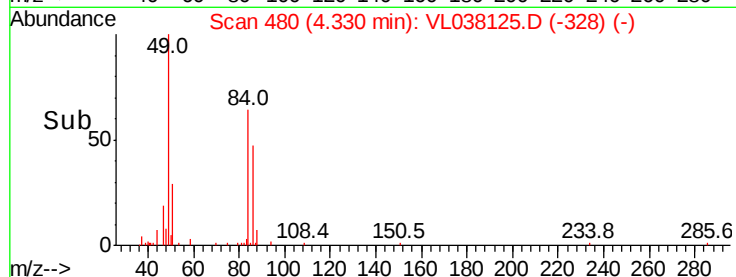
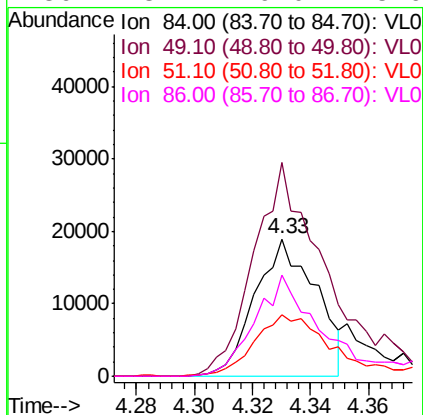
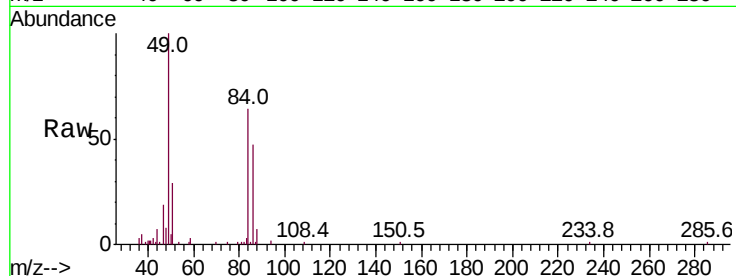
58 6.7 1.4 2.0#





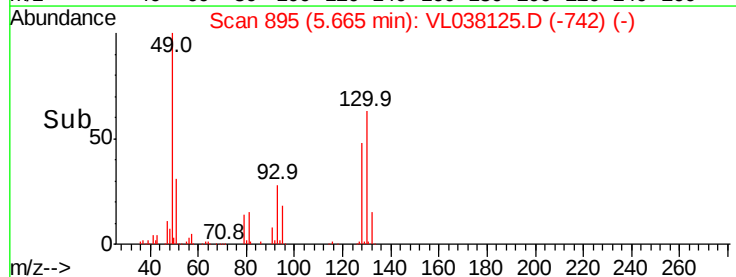
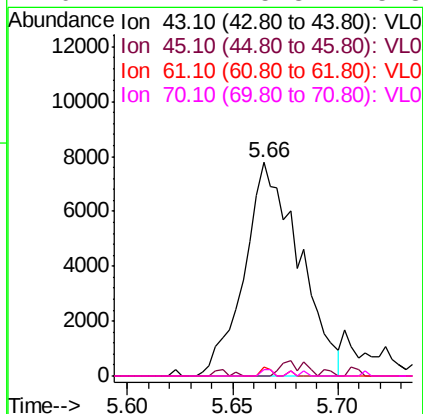
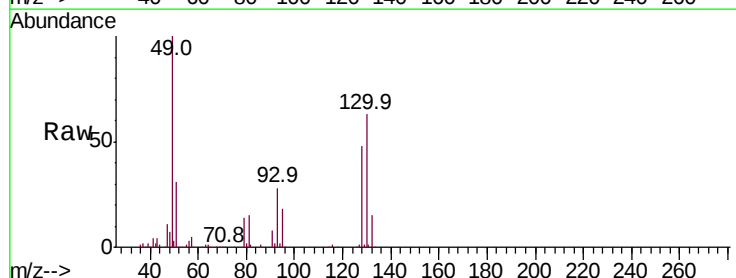
#20
Methvlene Chloride
Concen: 0.690 ppbv
RT: 4.33
Instrument: MSVOA_1
Delta R.T.:
ClientSampleId:
Lab File: SG-CURVY-BRIDE12
Acq: 24 Nov 2021 7:54

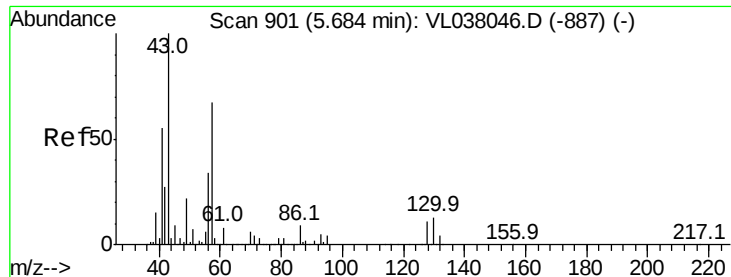
Tot Ion:	84	Resp:	27638
Ion	Ratio	Lower	Upper
84	100		
49	155.2	118.2	177.2
51	44.2	36.8	55.2
86	73.1	49.0	73.6



#25
Ethyl Acetate
Concen: 0.059 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL038125.D
Acq: 24 Nov 2021 7:54

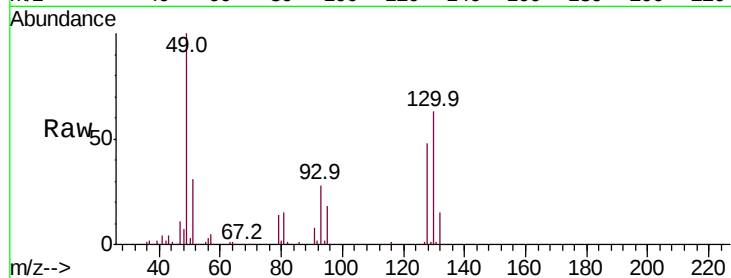
Tgt Ion:	43	Resp:	14072
Ion	Ratio	Lower	Upper
43	100		
45	4.2	7.9	11.9#
61	1.0	7.8	11.6#
70	1.2	5.8	8.8#



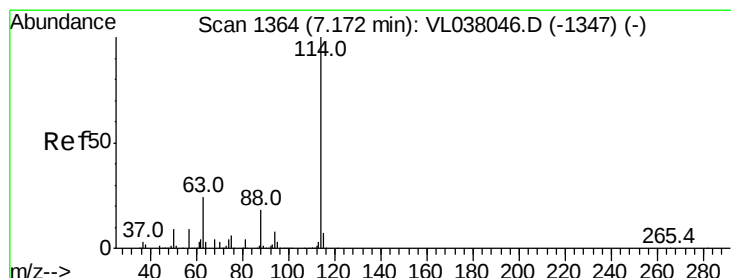
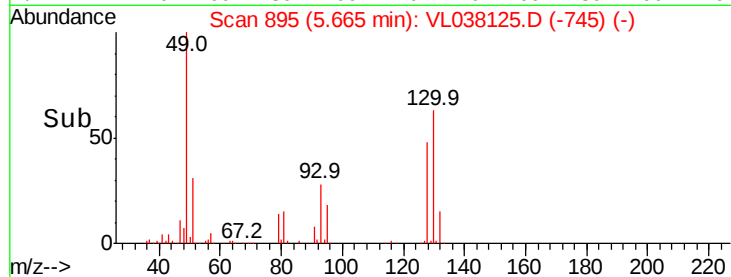
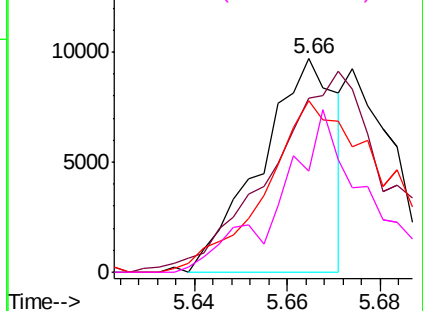


#26
Hexane
Concen: 0.096 ppbv
RT: 5.66
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 24 Nov 2021 7:54 SG-CURVY-BRIDE12

Tot Ion: 57 Resp: 11003
Ion Ratio Lower Upper
57 100
41 0.0 71.4 107.2#
43 149.6 174.6 261.8#
56 99.5 43.2 64.8#

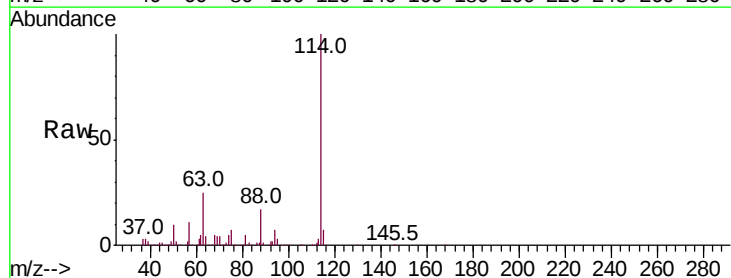


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

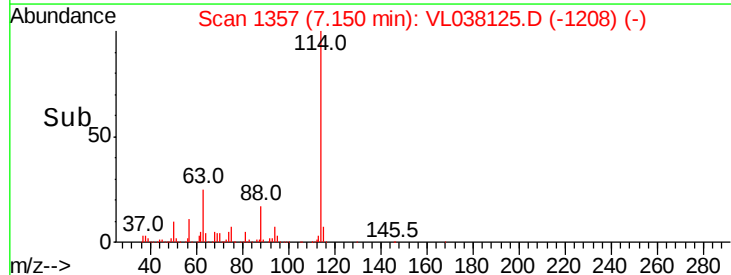
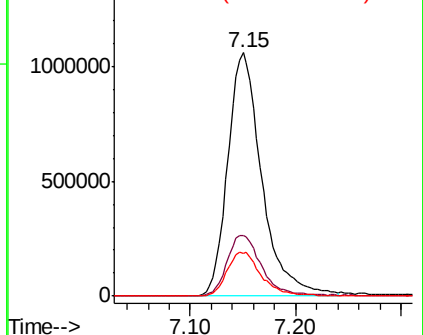


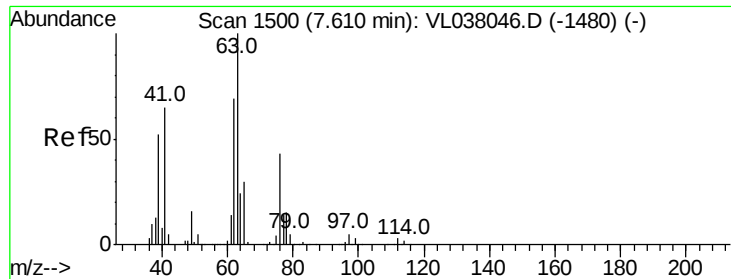
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.02 min
Lab File: VL038125.D
Acq: 24 Nov 2021 7:54

Tgt Ion:114 Resp: 2378576
Ion Ratio Lower Upper
114 100
63 26.0 19.7 29.5
88 18.5 14.4 21.6



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: 6.580 ppbv

RT: 7.15

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 24 Nov 2021 7:54

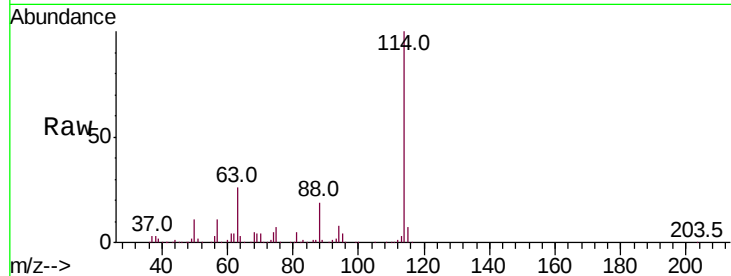
Tot Ion: 63 Resp: 598862

Ion Ratio Lower Upper

63 100

41 0.1 52.3 78.5#

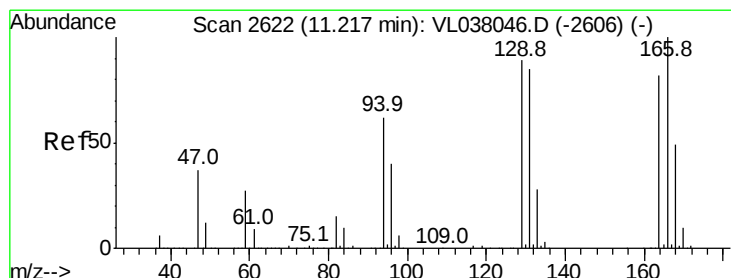
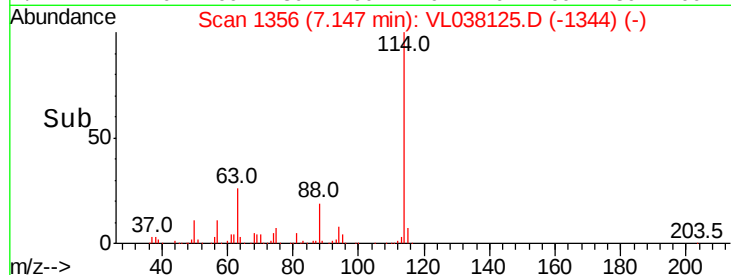
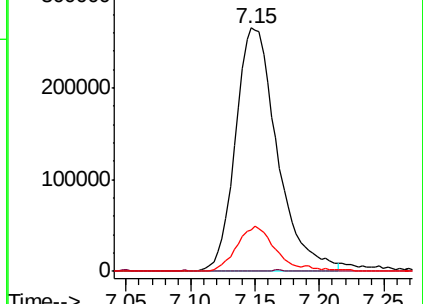
62 17.0 55.1 82.7#



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



#52

Tetrachloroethene

Concen: 21.720 ppbv

RT: 11.19 min Scan# 2615

Delta R.T. -0.02 min

Lab File: VL038125.D

Acq: 24 Nov 2021 7:54

Tgt Ion:164 Resp: 1906865

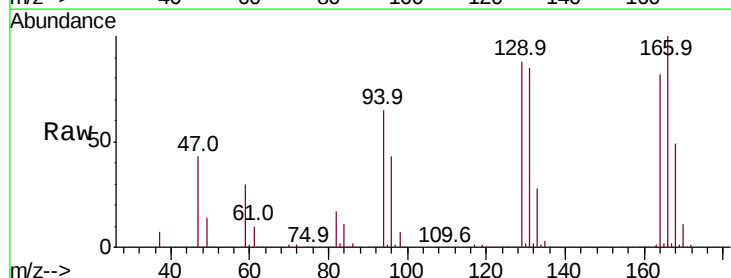
Ion Ratio Lower Upper

164 100

166 122.2 97.2 145.8

129 107.3 86.9 130.3

131 104.1 82.8 124.2

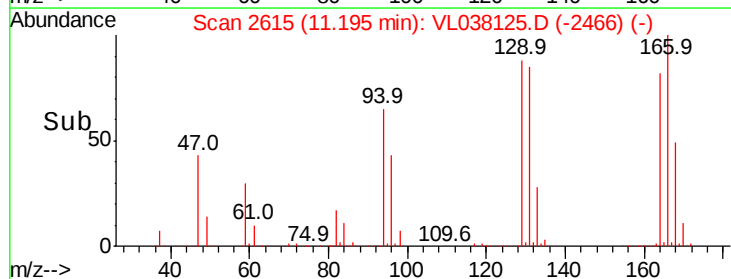
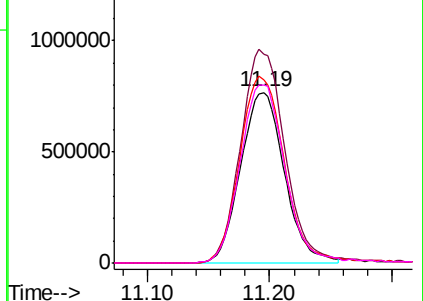


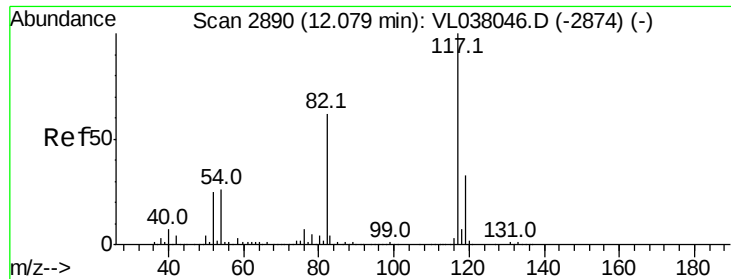
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

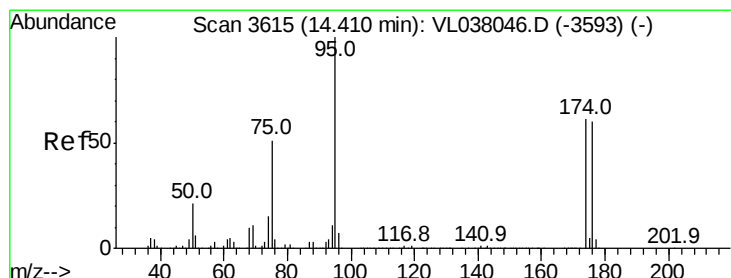
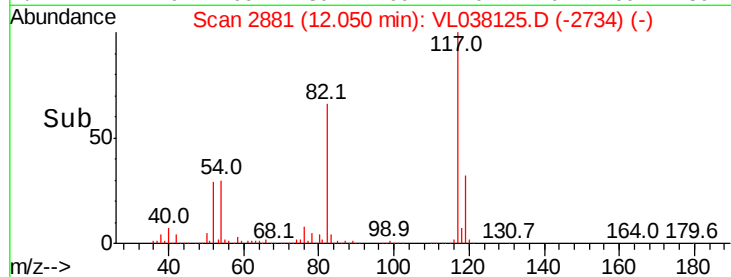
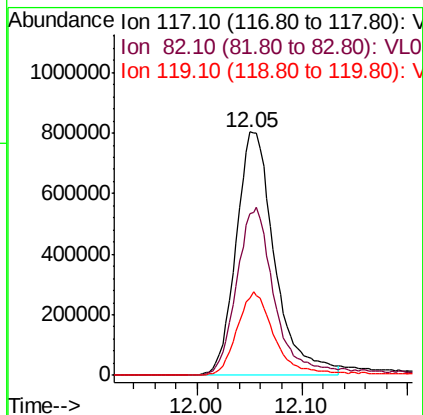
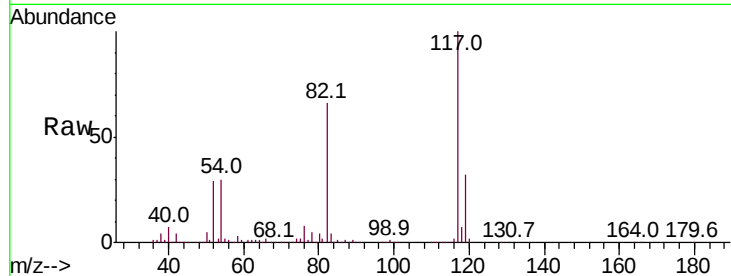
Ion 131.00 (130.70 to 131.70): V





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SG-CURVY-BRIDE12
Acq: 24 Nov 2021 7:54

Tot Ion:117 Resp: 2044837
Ion Ratio Lower Upper
117 100
82 72.5 52.8 79.2
119 34.9 26.8 40.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.820 ppbv
RT: 14.38 min Scan# 3606
Delta R.T.: -0.03 min
Lab File: VL038125.D
Acq: 24 Nov 2021 7:54

Tgt Ion: 95 Resp: 1595931
Ion Ratio Lower Upper
95 100
174 63.0 53.1 79.7
175 4.5 4.0 6.0

