

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030222\
 Data File : VL038480.D
 Acq On : 2 Mar 2022 13:50
 Operator : SY/AP
 Sample : N1723-02DL2 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FSG3DL2

Quant Time: Mar 02 22:36:23 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	924765	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2057025	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	1850262	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1521762	9.94	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

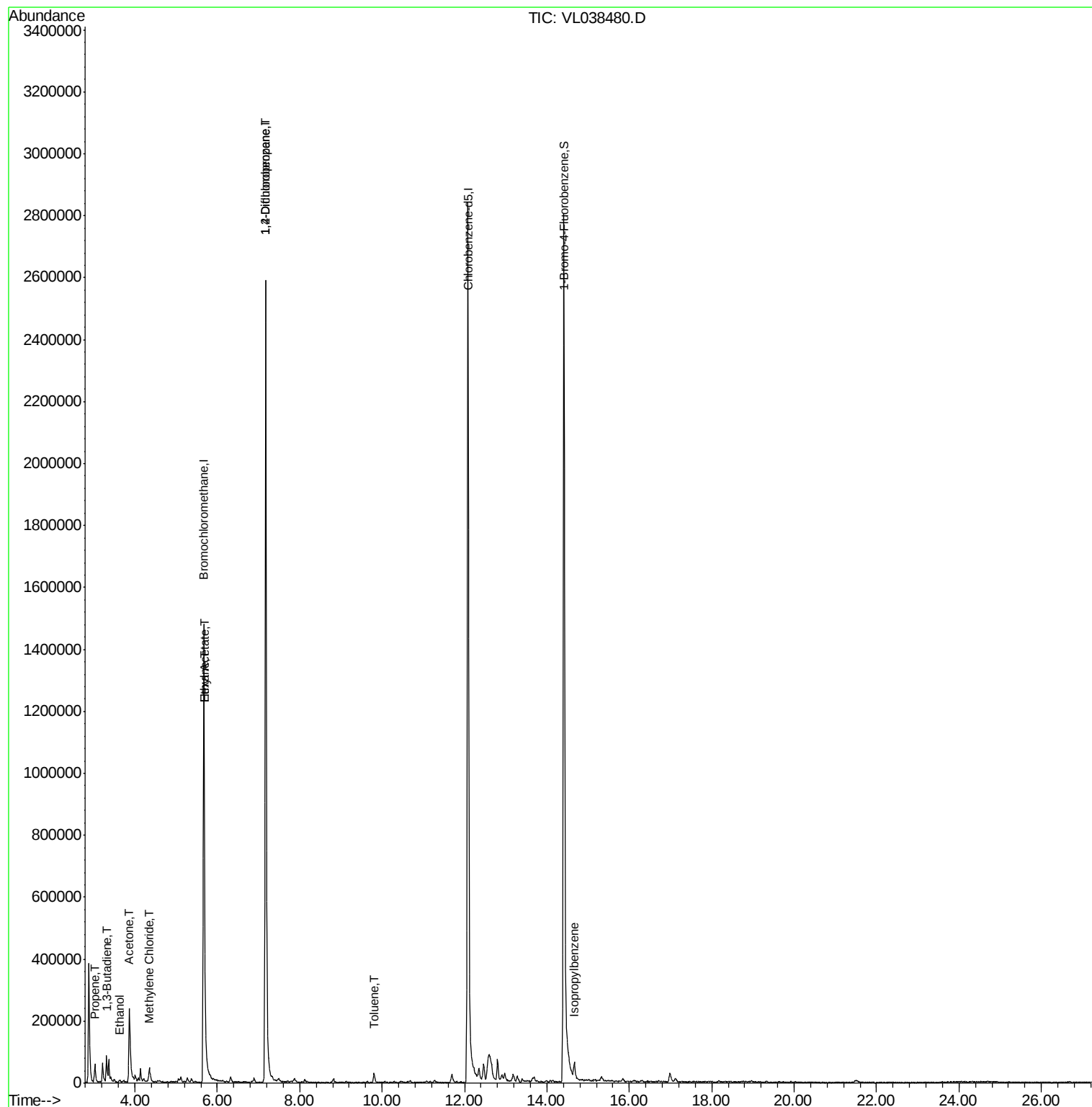
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	25193	0.47	ppbv	88
13) Ethanol	3.62	45	2940	0.55	ppbv #	3
15) Acetone	3.86	43	362245	4.61	ppbv	98
16) 1,3-Butadiene	3.31	39	25308	0.48	ppbv #	21
20) Methylene Chloride	4.35	84	11853	0.30	ppbv	98
25) Ethyl Acetate	5.69	43	8384	0.04	ppbv #	79
26) Hexane	5.69	57	19890	0.21	ppbv #	42
39) 1,2-Dichloropropane	7.18	63	574626	7.97	ppbv #	25
53) Toluene	9.81	91	7924	0.04	ppbv #	1
62) Isopropylbenzene	14.66	105	44412	0.16	ppbv	99

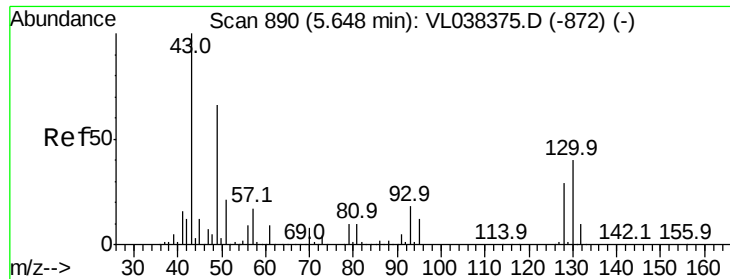
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 02 22:36:23 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Mar 2022 13:50 FSG3DL2

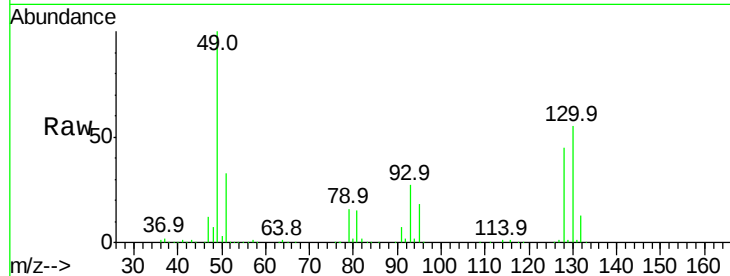
Tgt Ion: 49 Resp: 924765

Ion Ratio Lower Upper

49 100

128 44.4 24.3 72.9

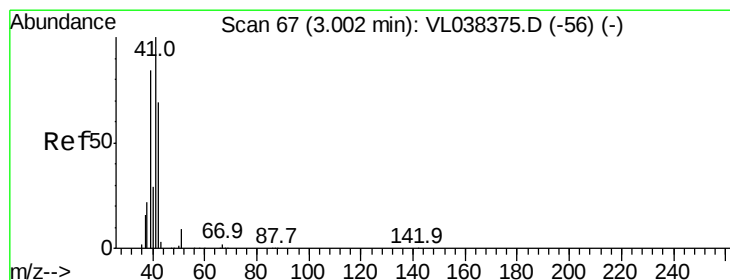
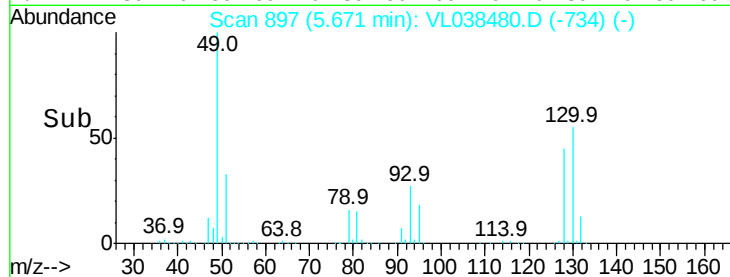
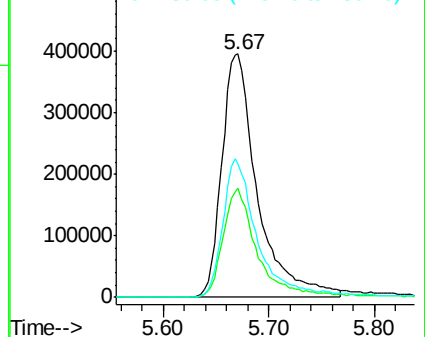
130 56.8 30.1 90.5



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



#9

Propene

Concen: 0.47 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL038480.D

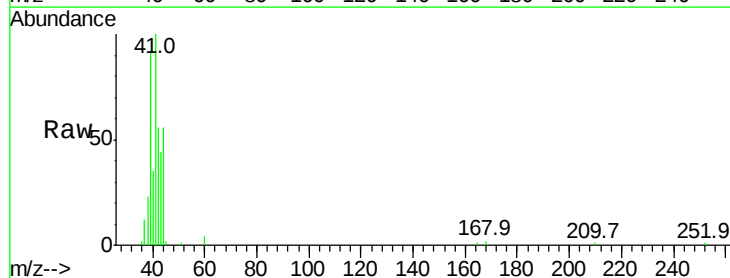
Acq: 2 Mar 2022 13:50

Tgt Ion: 41 Resp: 25193

Ion Ratio Lower Upper

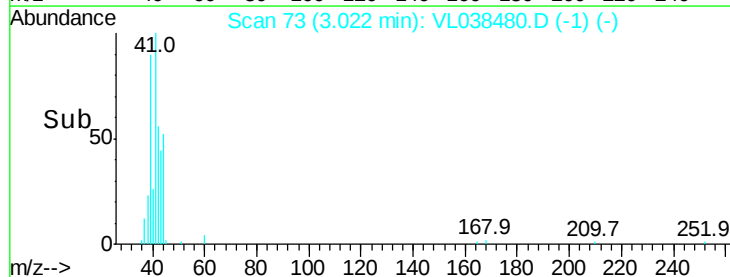
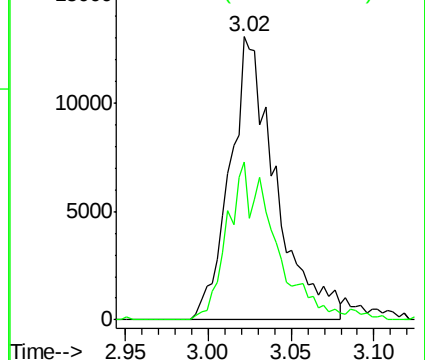
41 100

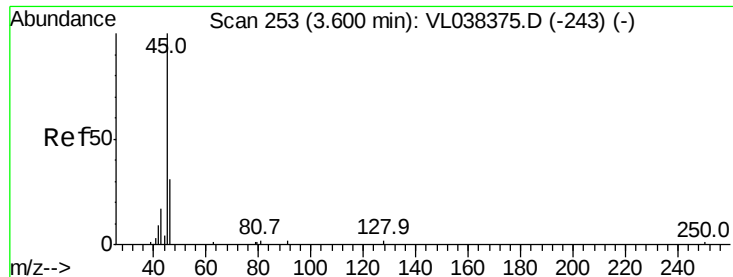
42 58.3 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

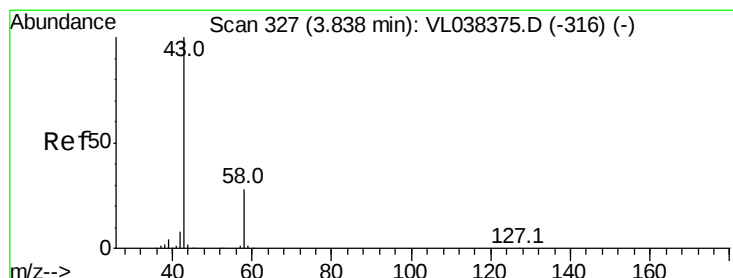
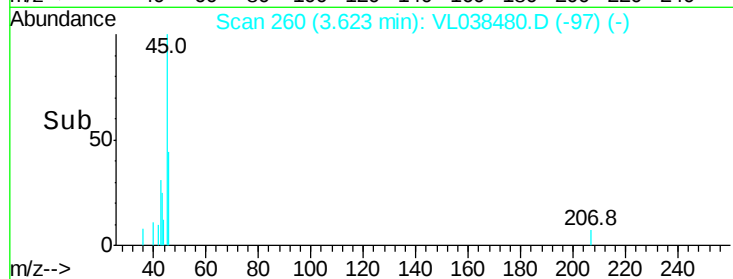
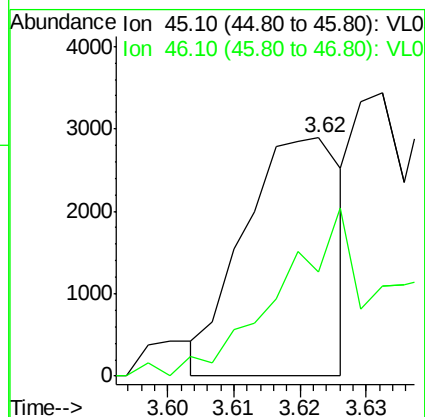
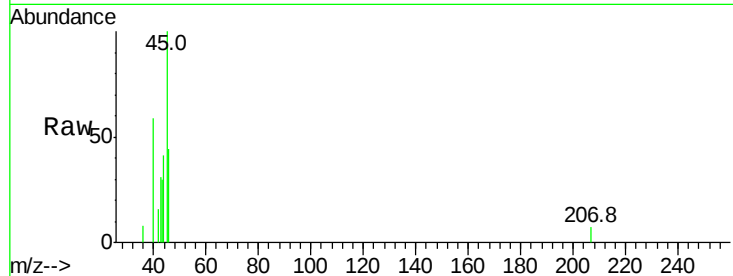
Ion 42.10 (41.80 to 42.80): VL0





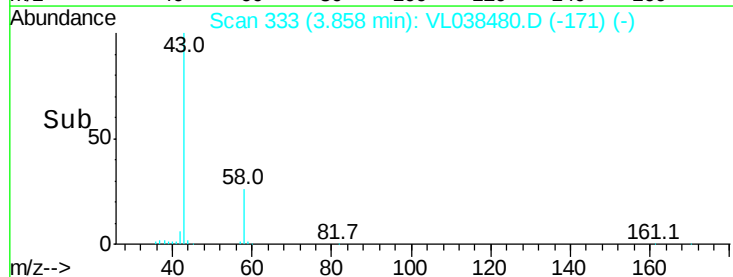
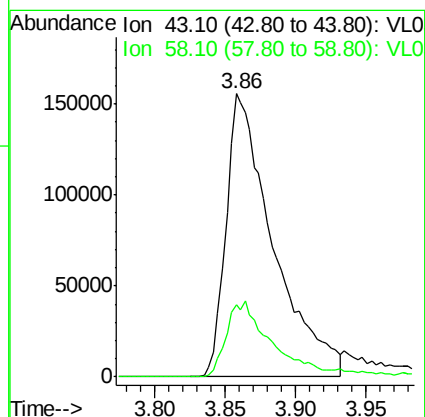
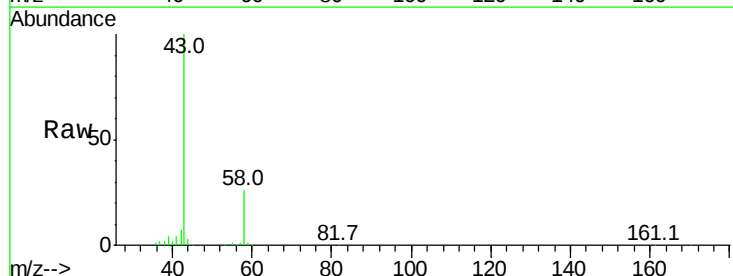
#13
Ethanol
Concen: 0.55 ppbv
RT: 3.62
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 2 Mar 2022 13:50

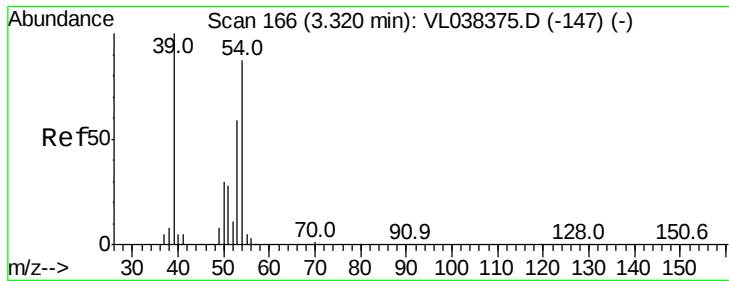
Tgt Ion: 45 Resp: 2940
Ion Ratio Lower Upper
45 100
46 109.5 18.2 72.8#



#15
Acetone
Concen: 4.61 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL038480.D
Acq: 2 Mar 2022 13:50

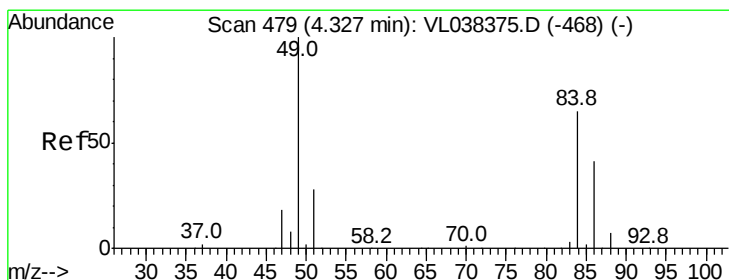
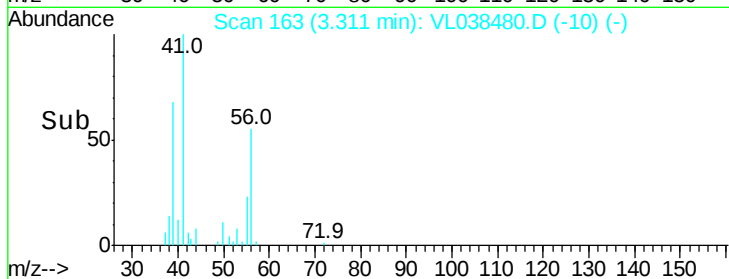
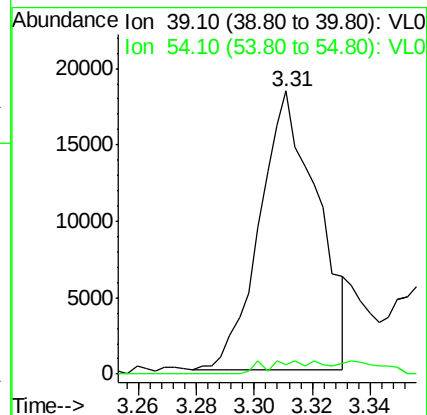
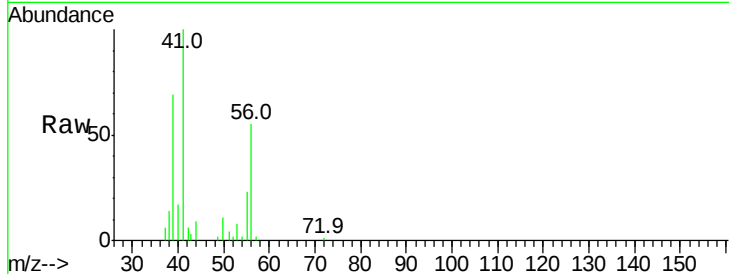
Tgt Ion: 43 Resp: 362245
Ion Ratio Lower Upper
43 100
58 28.3 21.7 32.5





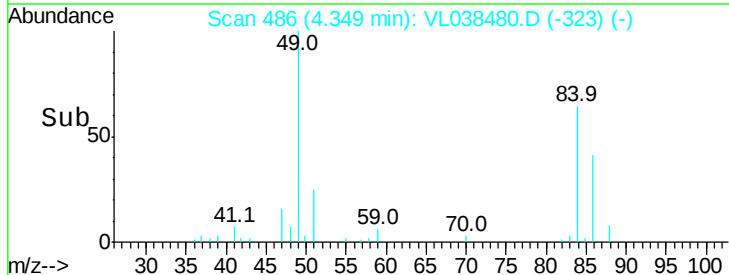
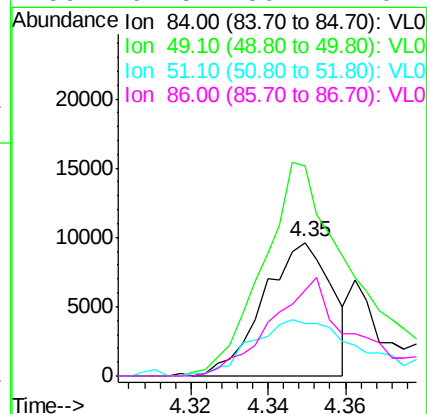
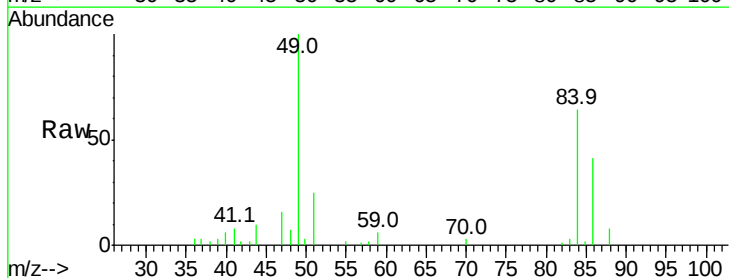
#16
 1,3-Butadiene
 Concen: 0.48 ppbv
 RT: 3.31
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 FSG3DL2
 Acq: 2 Mar 2022 13:50

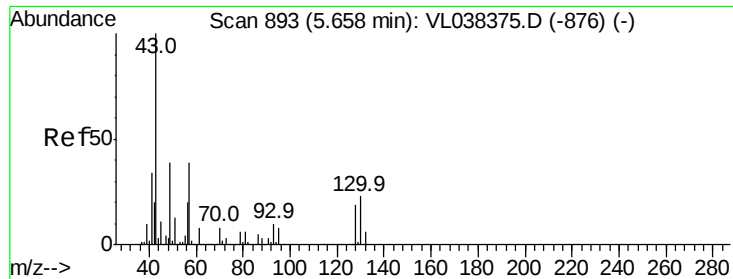
Tgt Ion: 39 Resp: 25308
 Ion Ratio Lower Upper
 39 100
 54 8.1 60.3 90.5#



#20
 Methylene Chloride
 Concen: 0.30 ppbv
 RT: 4.35 min Scan# 486
 Delta R.T. 0.02 min
 Lab File: VL038480.D
 Acq: 2 Mar 2022 13:50

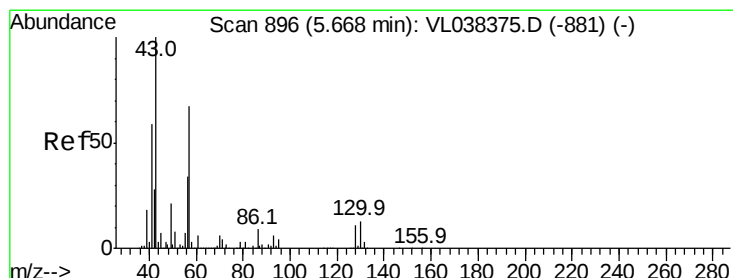
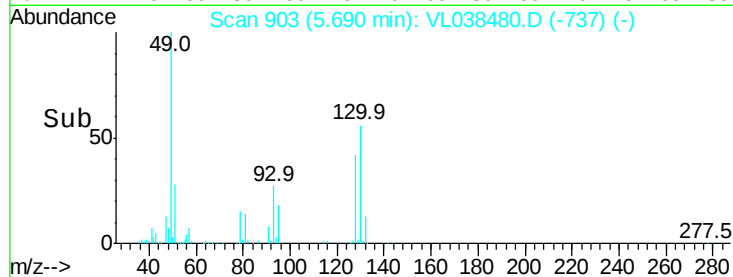
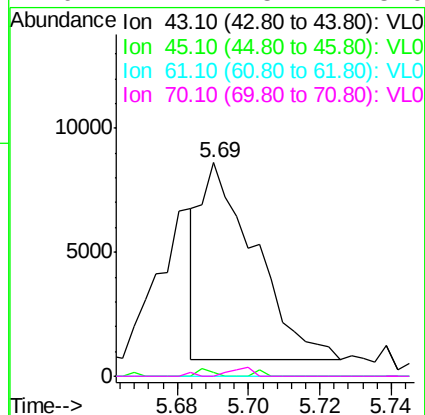
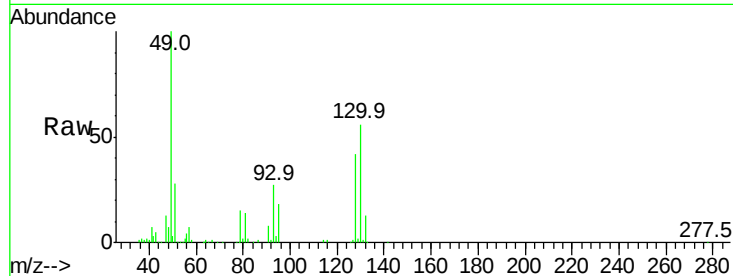
Tgt Ion: 84 Resp: 11853
 Ion Ratio Lower Upper
 84 100
 49 154.5 122.4 183.6
 51 37.3 33.3 49.9
 86 64.5 50.7 76.1





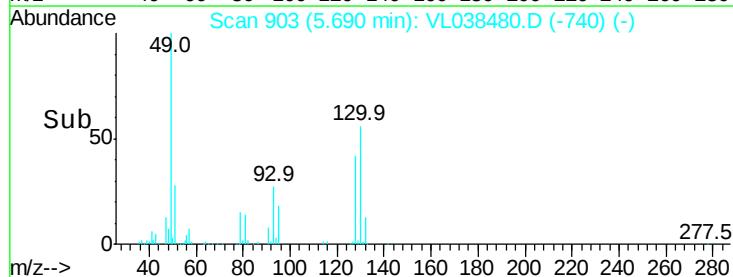
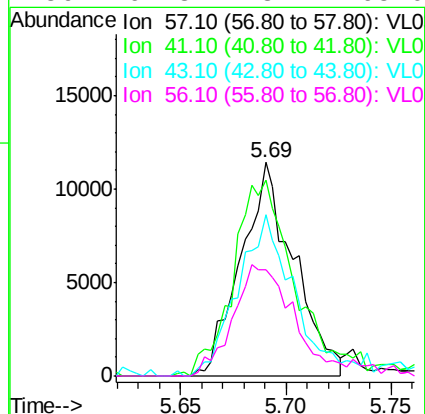
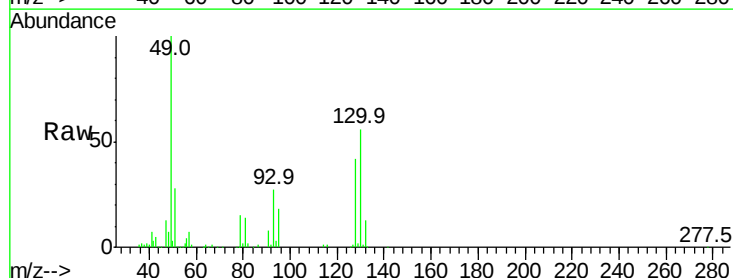
#25
Ethyl Acetate
Concen: 0.04 ppbv
RT: 5.69
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 2 Mar 2022 13:50

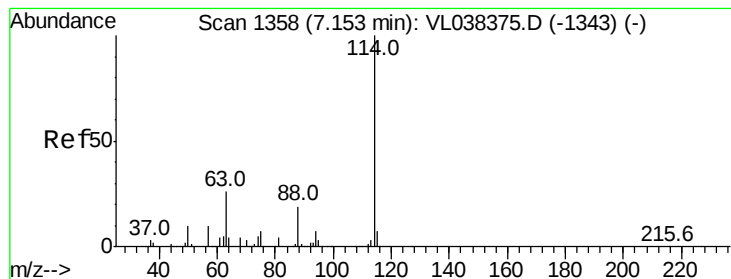
Tgt Ion:	43	Resp:	8384
Ion	Ratio	Lower	Upper
43	100		
45	1.7	7.8	11.6#
61	0.0	7.5	11.3#
70	2.2	5.4	8.0#



#26
Hexane
Concen: 0.21 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL038480.D
Acq: 2 Mar 2022 13:50

Tgt Ion:	57	Resp:	19890
Ion	Ratio	Lower	Upper
57	100		
41	109.6	73.1	109.7
43	87.2	181.0	271.4#
56	64.3	43.4	65.0





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 13:50 FSG3DL2

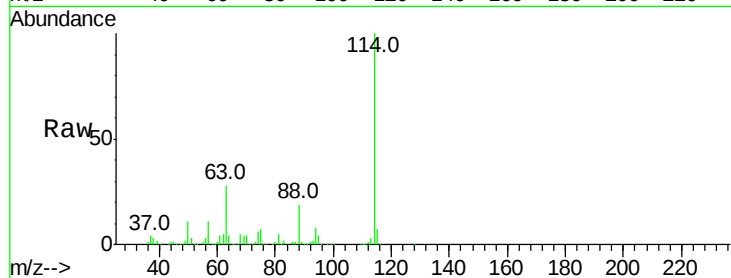
Tgt Ion: 114 Resp: 2057025

Ion Ratio Lower Upper

114 100

63 28.8 22.2 33.2

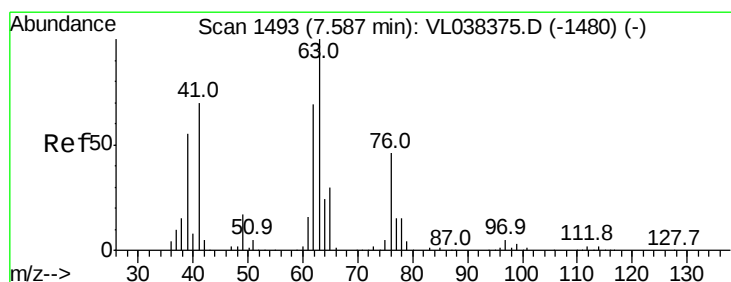
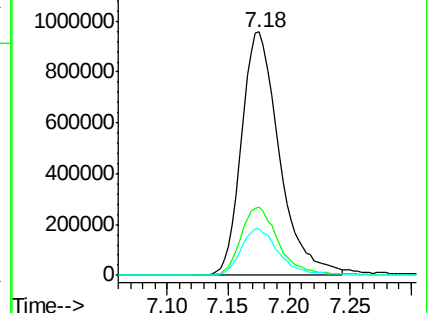
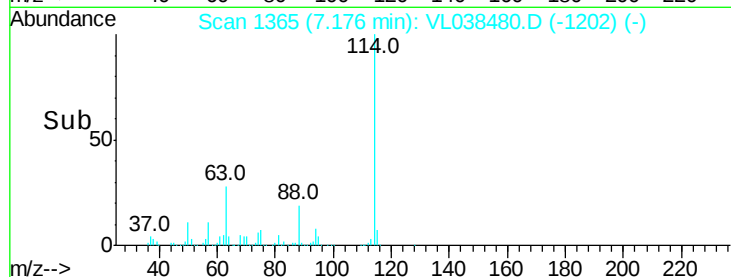
88 19.4 15.2 22.8



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: 7.97 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.41 min

Lab File: VL038480.D

Acq: 2 Mar 2022 13:50

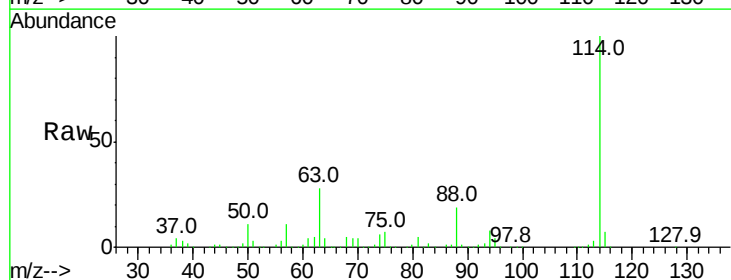
Tgt Ion: 63 Resp: 574626

Ion Ratio Lower Upper

63 100

41 0.0 56.1 84.1#

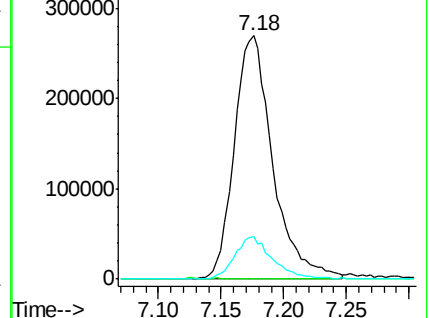
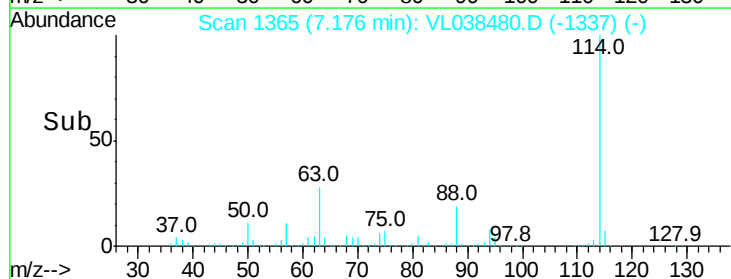
62 17.3 55.5 83.3#

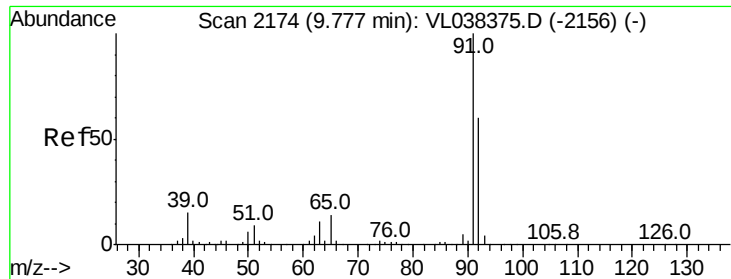


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#53

Toluene

Concen: 0.04 ppbv

RT: 9.81

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

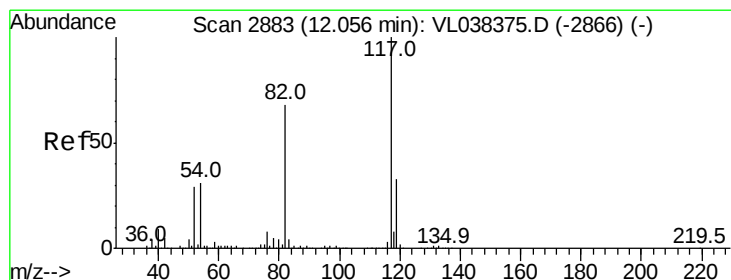
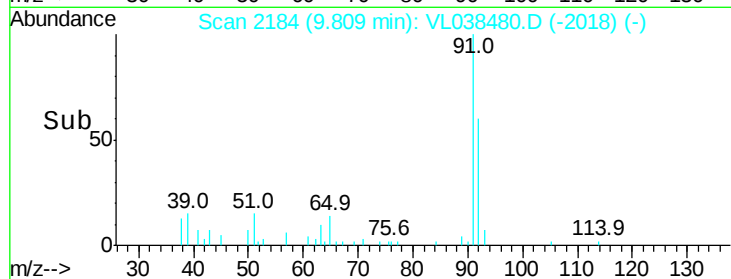
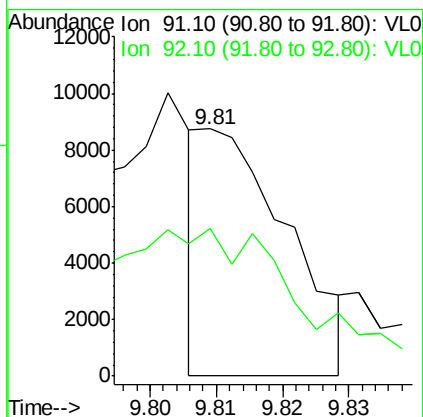
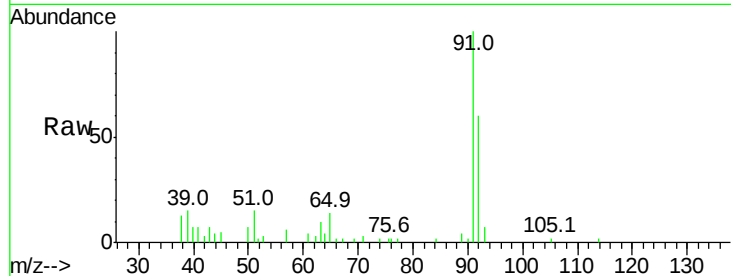
Acq: 2 Mar 2022 13:50

Tgt Ion: 91 Resp: 7924

Ion Ratio Lower Upper

91 100

92 154.1 48.2 72.4#



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.03 min

Lab File: VL038480.D

Acq: 2 Mar 2022 13:50

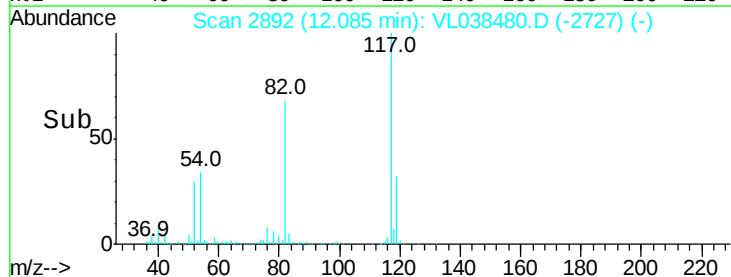
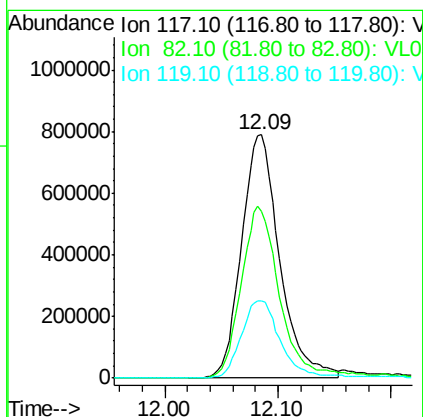
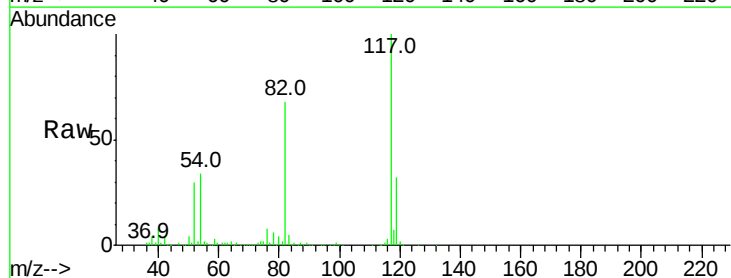
Tgt Ion: 117 Resp: 1850262

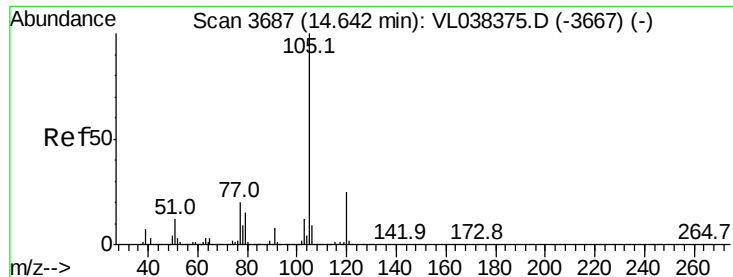
Ion Ratio Lower Upper

117 100

82 74.5 54.9 82.3

119 33.9 46.1 69.1#





#62

Isopropylbenzene

Concen: 0.16 ppbv

RT: 14.66

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

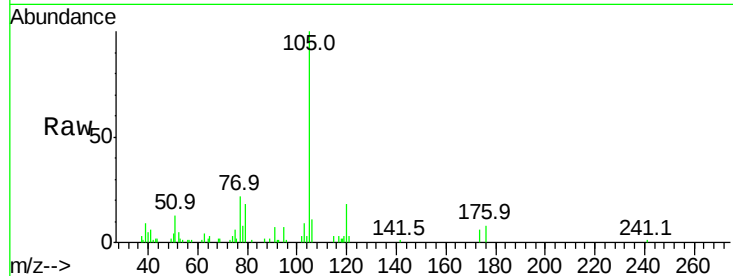
Acq: 2 Mar 2022 13:50

Tgt Ion: 105 Resp: 44412

Ion Ratio Lower Upper

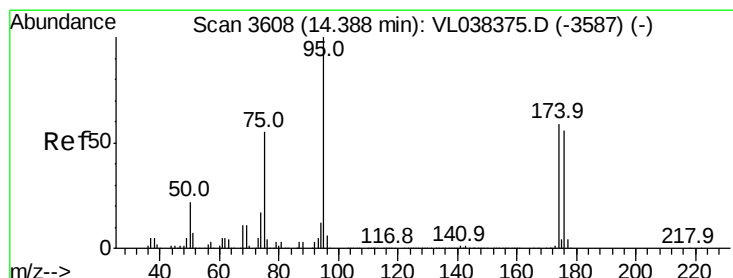
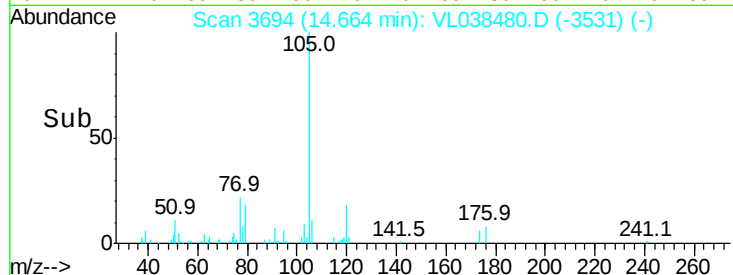
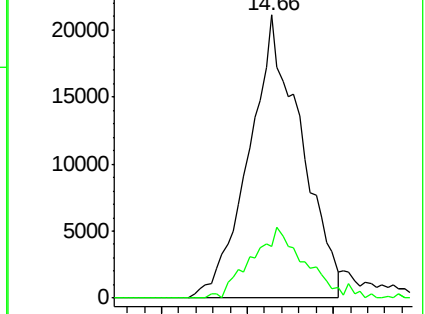
105 100

120 26.1 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.94 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.02 min

Lab File: VL038480.D

Acq: 2 Mar 2022 13:50

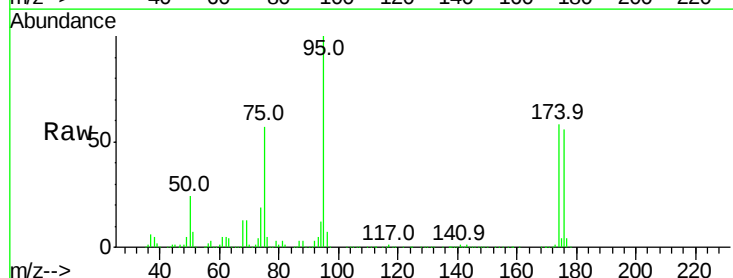
Tgt Ion: 95 Resp: 1521762

Ion Ratio Lower Upper

95 100

174 61.9 49.0 73.4

175 4.2 3.6 5.4



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

