

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080519\
 Data File : VL034096.D
 Acq On : 6 Aug 2019 9:07
 Operator : SY/AP
 Sample : K4098-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E049-1100

Quant Time: Aug 06 15:05:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 05 17:09:48 2019
 QLast Update : Mon Aug 05 17:09:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1070360	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	2186862	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	2439511	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.52	95	2479606	12.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	125.30%

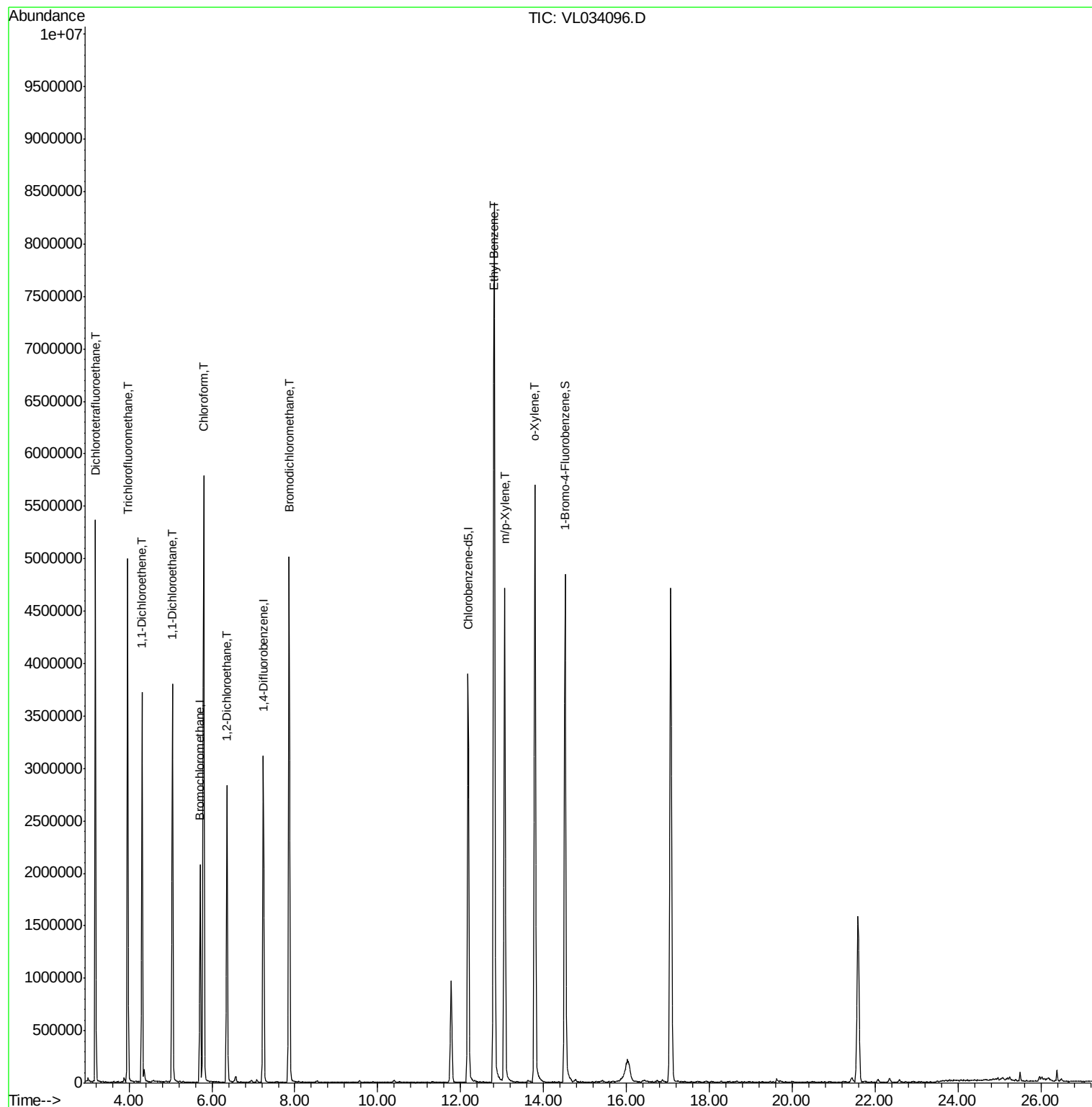
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Dichlorotetrafluoroethane	3.19	85	2057825	13.542	ppbv	98
11) Trichlorofluoromethane	3.97	101	3221658	20.628	ppbv	93
18) 1,1-Dichloroethene	4.31	96	1062929	20.393	ppbv	87
24) 1,1-Dichloroethane	5.05	63	3272636	21.688	ppbv	98
29) Chloroform	5.80	83	4024157	23.214	ppbv	92
37) 1,2-Dichloroethane	6.36	62	2300925	17.206	ppbv	99
42) Bromodichloromethane	7.86	83	3453433	18.420	ppbv	94
58) Ethyl Benzene	12.81	91	7564229	18.440	ppbv #	75
59) m/p-Xylene	13.06	91	3660206	11.116	ppbv	100
60) o-Xylene	13.79	91	4695347	14.269	ppbv	97

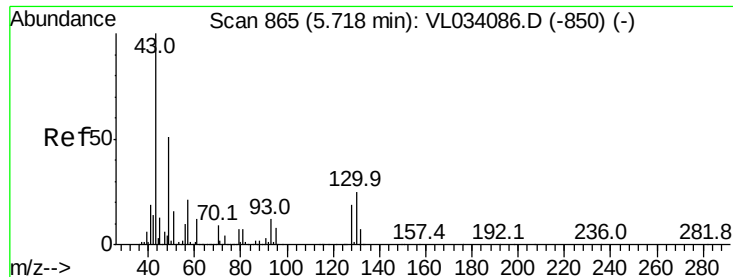
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 864

Delta R.T. -0.00 min

Lab File: VL034096.D

Acq: 6 Aug 2019 9:07

Instrument :

MSVOA_L

ClientSampleID :

E049-1100

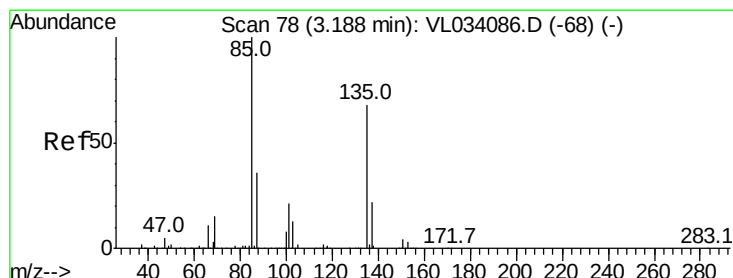
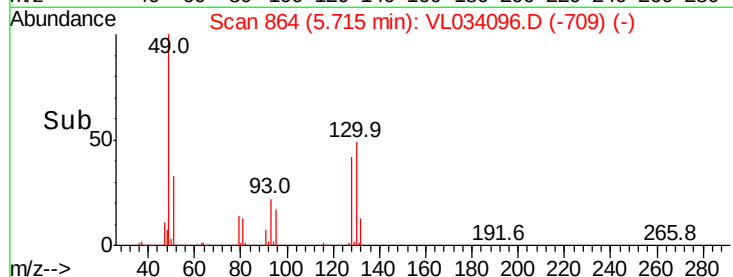
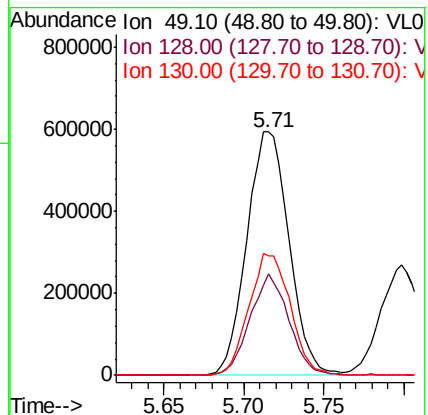
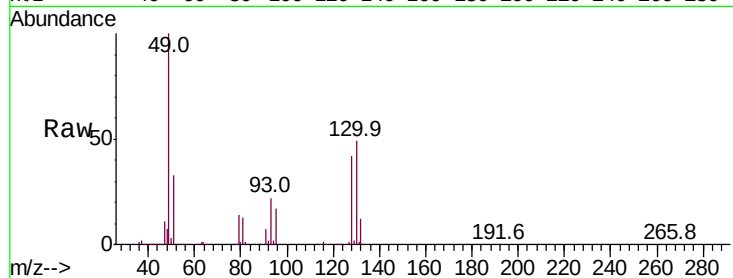
Tot Ion: 49 Resp: 1070360

Ion Ratio Lower Upper

49 100

128 38.7 19.5 58.5

130 49.5 25.4 76.0



#8

Dichlorotetrafluoroethane

Concen: 13.542 ppbv

RT: 3.19 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL034096.D

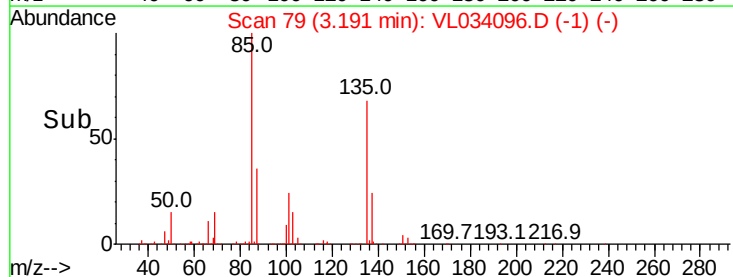
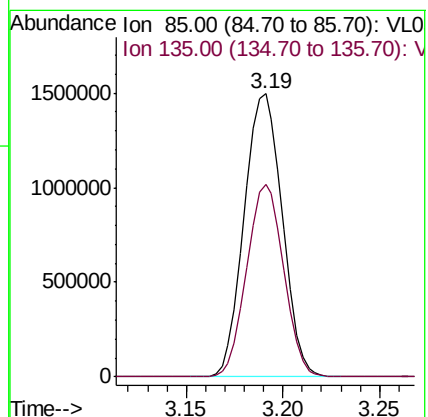
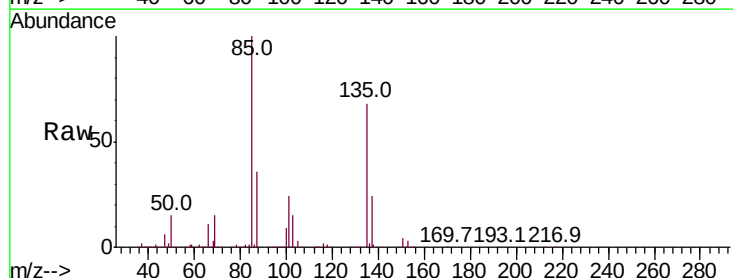
Acq: 6 Aug 2019 9:07

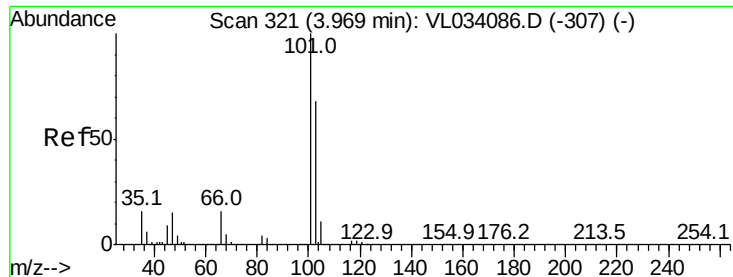
Tgt Ion: 85 Resp: 2057825

Ion Ratio Lower Upper

85 100

135 66.1 54.0 81.0



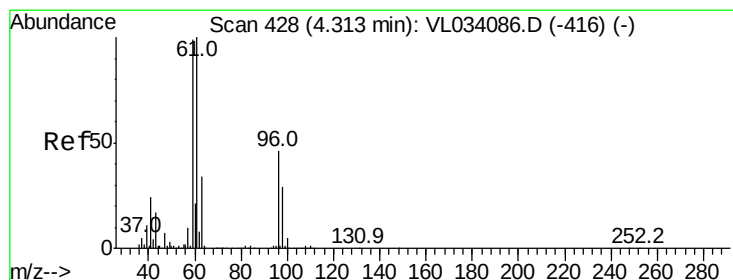
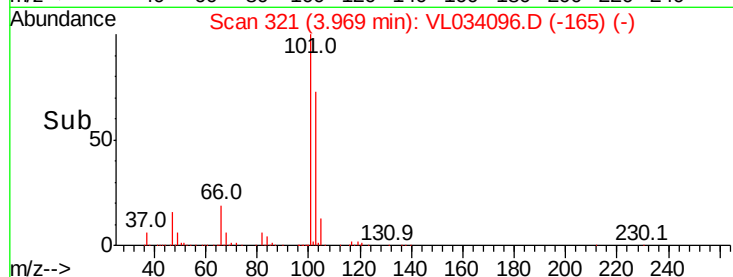
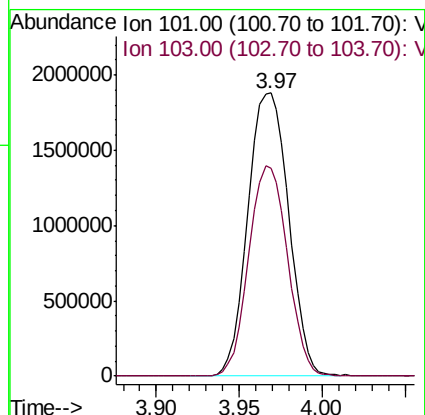
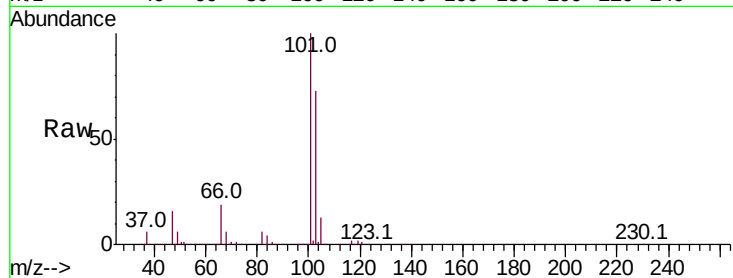


#11

Trichlorofluoromethane
Concen: 20.628 ppbv
RT: 3.97 min Scan# 321
Delta R.T. 0.00 min
Lab File: VL034096.D
Acq: 6 Aug 2019 9:07

Instrument :
MSVOA_L
ClientSampleId :
E049-1100

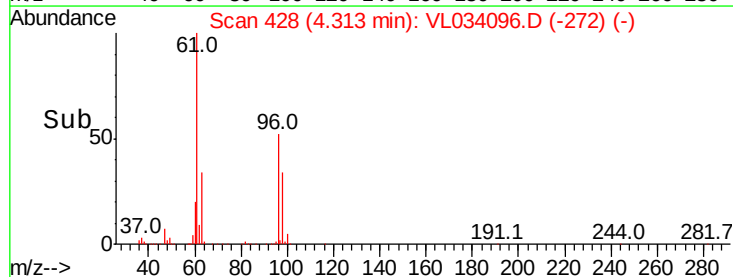
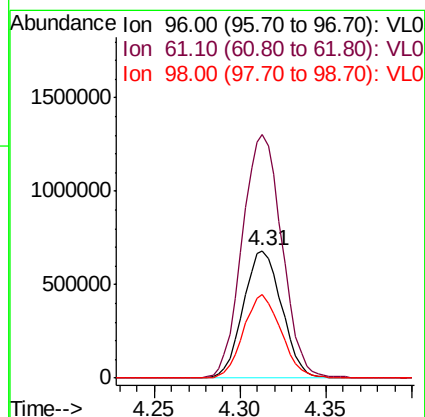
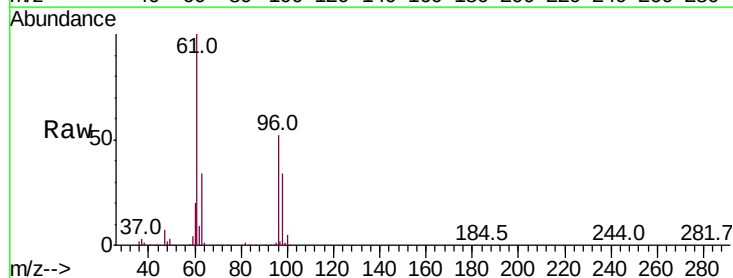
Tot Ion:101 Resp: 3221658
Ion Ratio Lower Upper
101 100
103 73.4 54.3 81.5

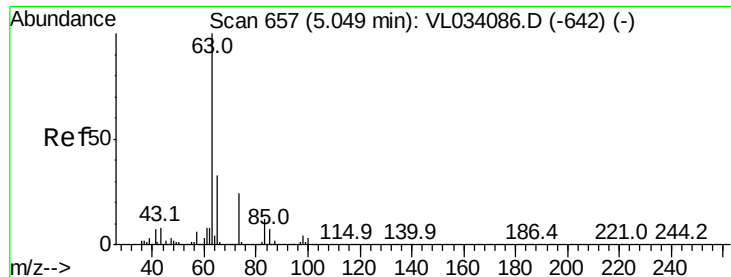


#18

1,1-Dichloroethene
Concen: 20.393 ppbv
RT: 4.31 min Scan# 428
Delta R.T. 0.00 min
Lab File: VL034096.D
Acq: 6 Aug 2019 9:07

Tgt Ion: 96 Resp: 1062929
Ion Ratio Lower Upper
96 100
61 191.1 173.1 259.7
98 65.6 50.3 75.5





#24

1,1-Dichloroethane

Concen: 21.688 ppbv

RT: 5.05 min Scan# 656

Delta R.T. -0.00 min

Lab File: VL034096.D

Acq: 6 Aug 2019 9:07

Instrument :

MSVOA_L

ClientSampleId :

E049-1100

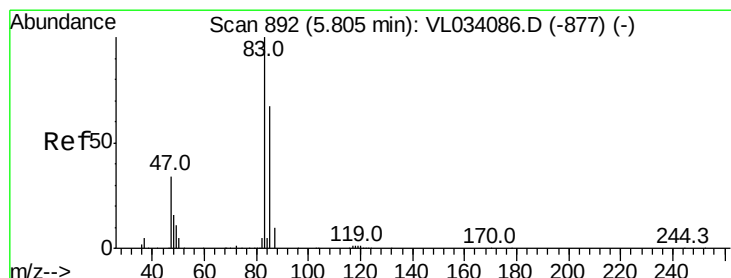
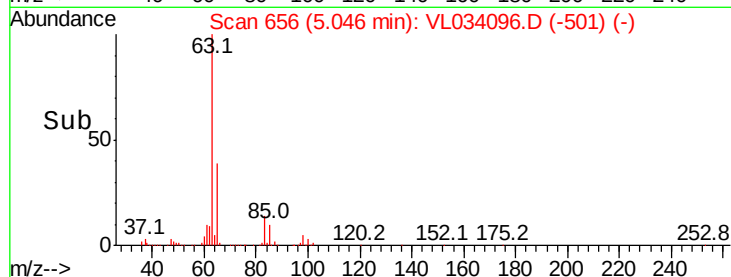
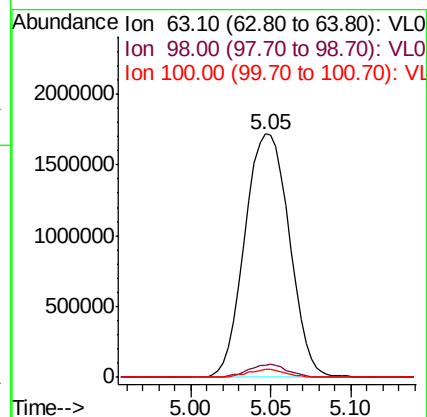
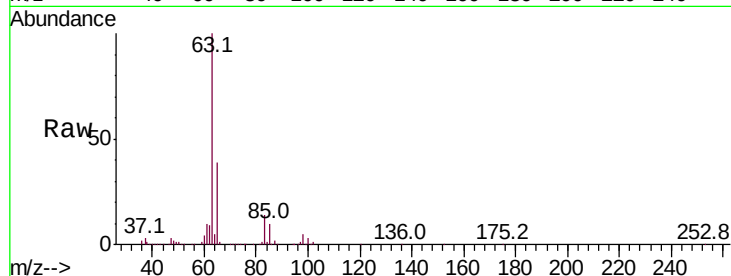
Tot Ion: 63 Resp: 3272636

Ion Ratio Lower Upper

63 100

98 4.9 2.0 6.0

100 3.2 1.3 3.8



#29

Chloroform

Concen: 23.214 ppbv

RT: 5.80 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL034096.D

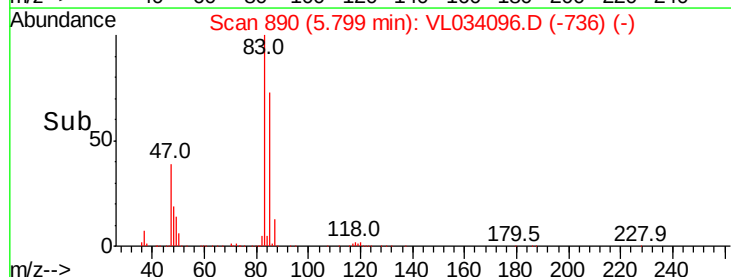
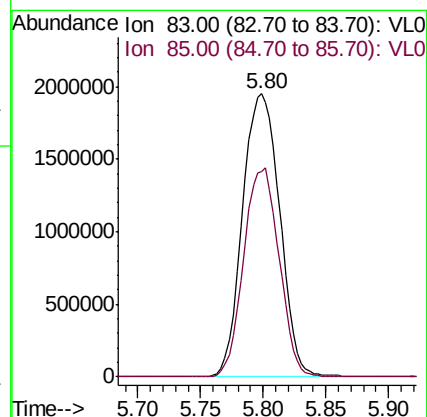
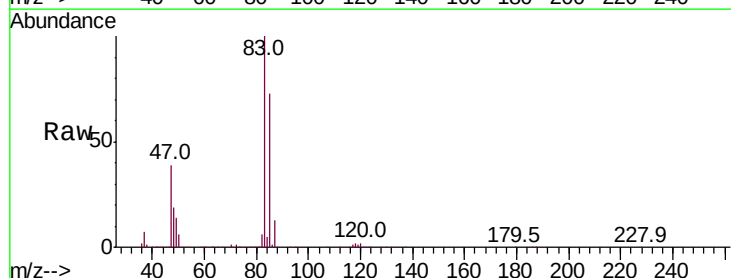
Acq: 6 Aug 2019 9:07

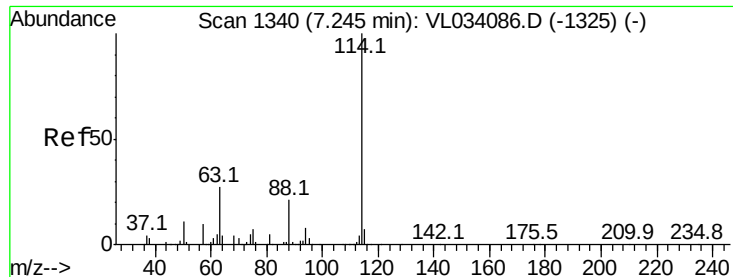
Tgt Ion: 83 Resp: 4024157

Ion Ratio Lower Upper

83 100

85 72.7 53.2 79.8



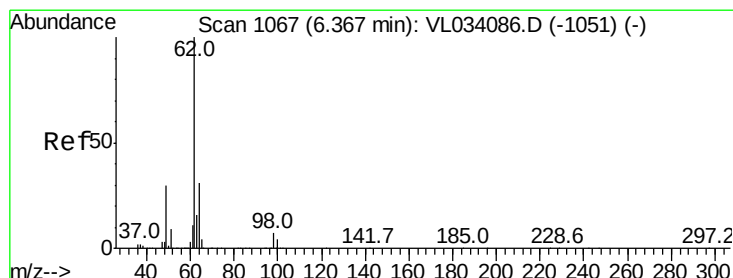
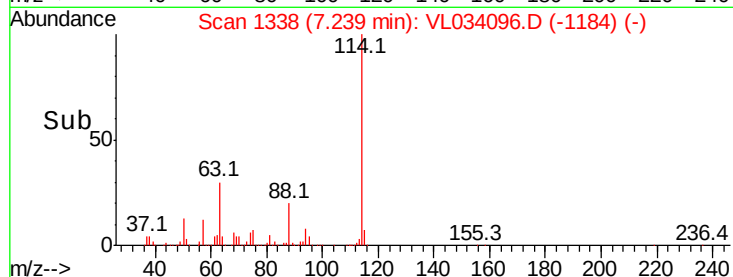
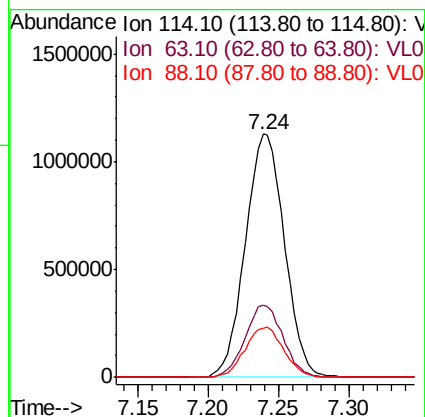
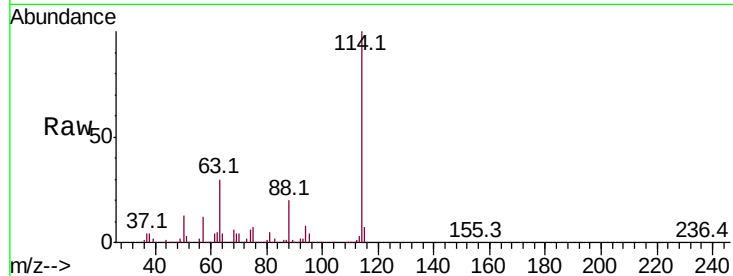


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.24 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VL034096.D
 Acq: 6 Aug 2019 9:07

Instrument :
 MSVOA_L
 ClientSampleId :
 E049-1100

Tot Ion:114 Resp: 2186862

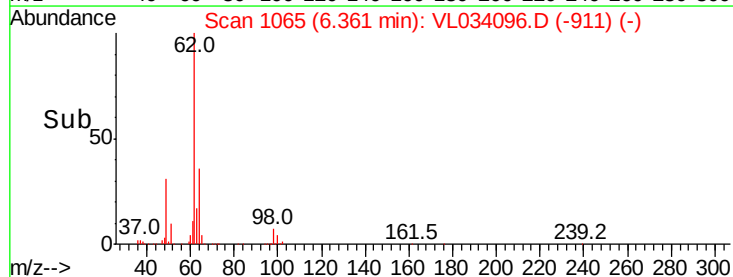
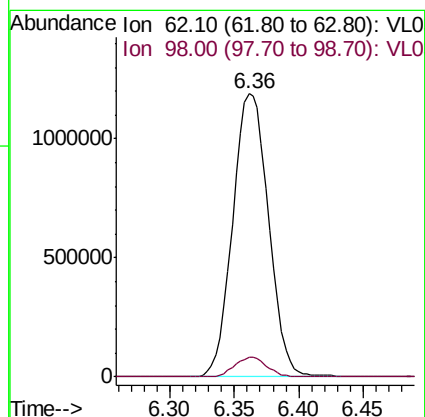
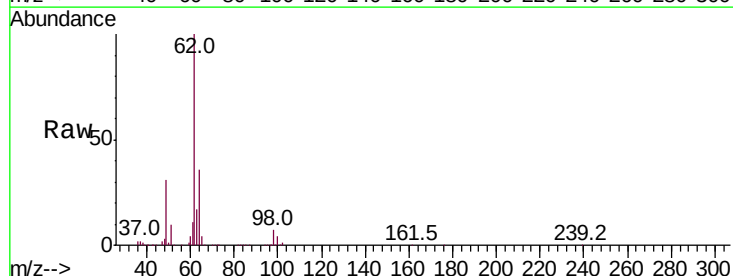
Ion	Ratio	Lower	Upper
114	100		
63	28.8	22.5	33.7
88	20.5	15.7	23.5

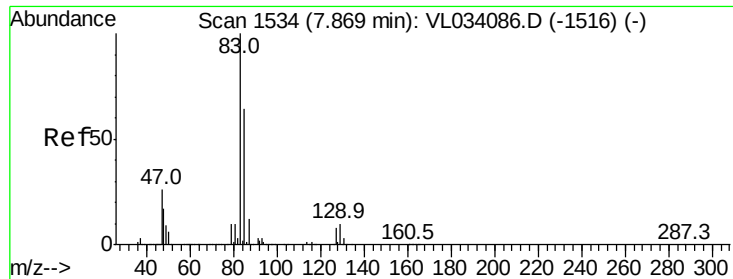


#37
 1,2-Dichloroethane
 Concen: 17.206 ppbv
 RT: 6.36 min Scan# 1065
 Delta R.T. -0.01 min
 Lab File: VL034096.D
 Acq: 6 Aug 2019 9:07

Tgt Ion: 62 Resp: 2300925

Ion	Ratio	Lower	Upper
62	100		
98	6.4	4.9	7.3





#42

Bromodichloromethane

Concen: 18.420 ppbv

RT: 7.86 min Scan# 1531

Delta R.T. -0.01 min

Lab File: VL034096.D

Acq: 6 Aug 2019 9:07

Instrument :

MSVOA_L

ClientSampleId :

E049-1100

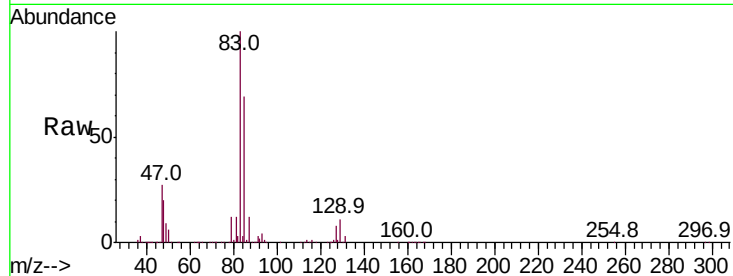
Tot Ion: 83 Resp: 3453433

Ion Ratio Lower Upper

83 100

85 69.0 50.9 76.3

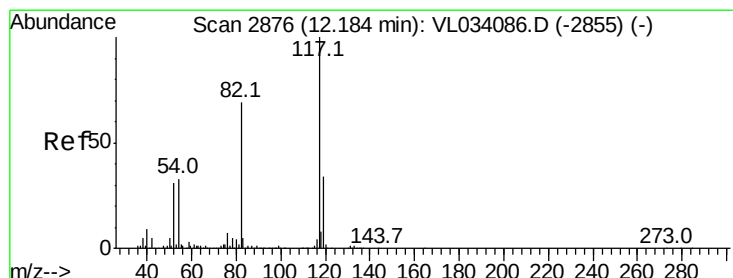
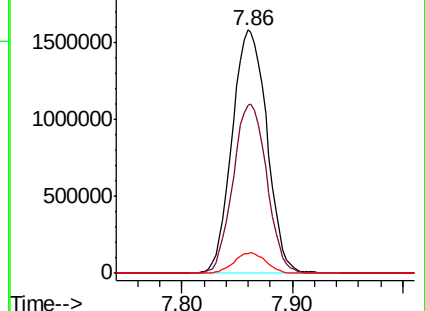
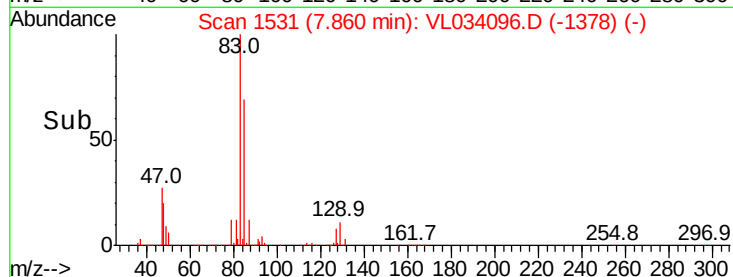
127 8.0 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.18 min Scan# 2875

Delta R.T. -0.00 min

Lab File: VL034096.D

Acq: 6 Aug 2019 9:07

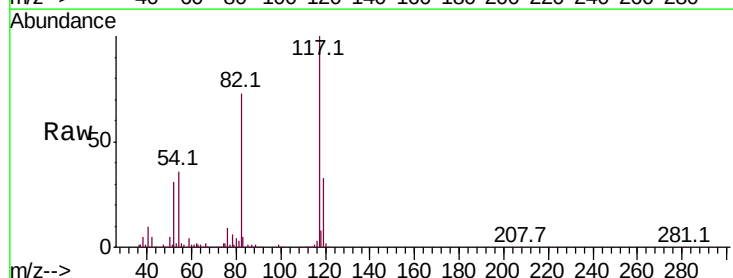
Tgt Ion: 117 Resp: 2439511

Ion Ratio Lower Upper

117 100

82 72.6 52.2 78.4

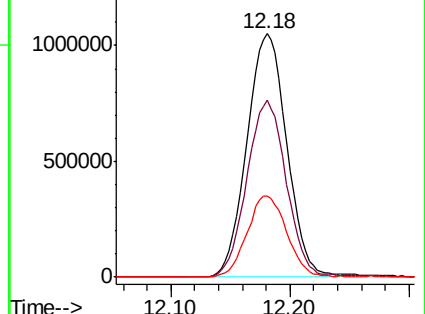
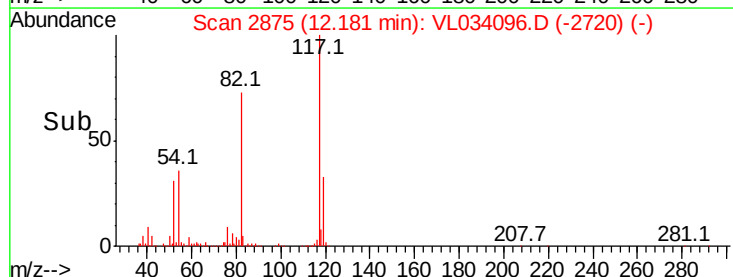
119 33.4 44.8 67.2#

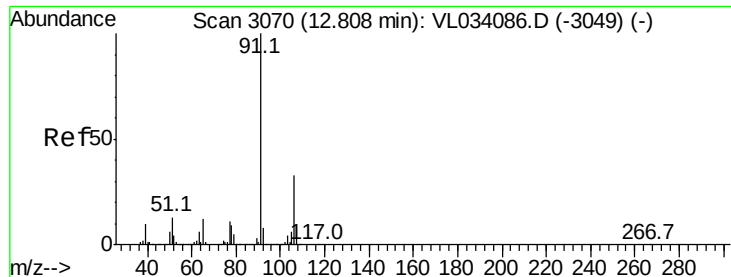


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

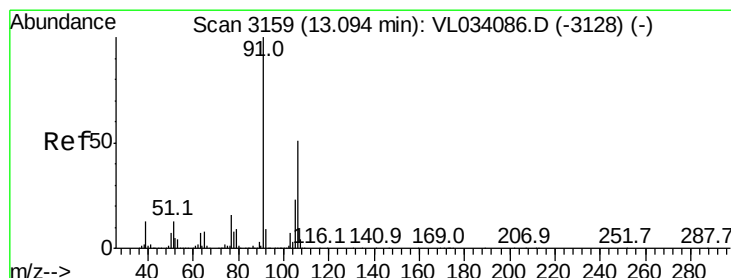
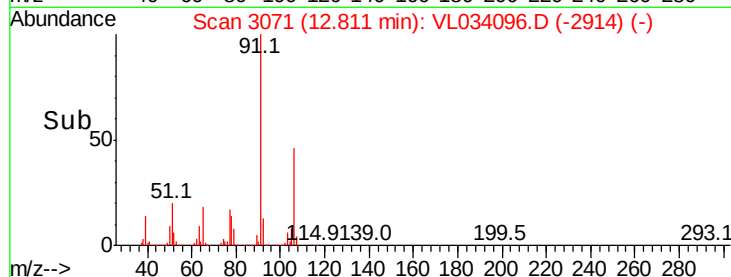
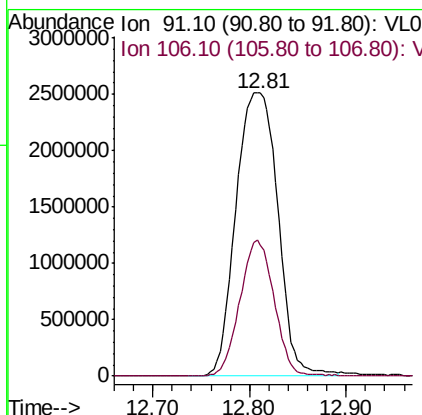
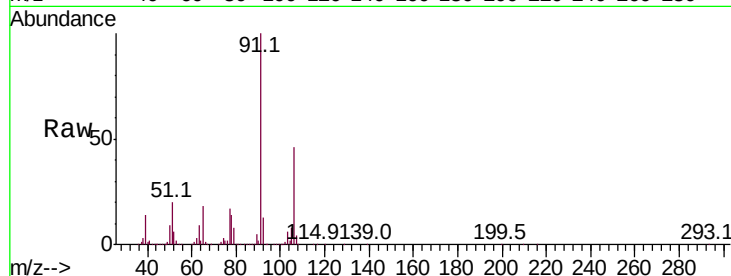




#58
Ethyl Benzene
Concen: 18.440 ppbv
RT: 12.81 min Scan# 3071
Delta R.T. 0.00 min
Lab File: VL034096.D
Acq: 6 Aug 2019 9:07

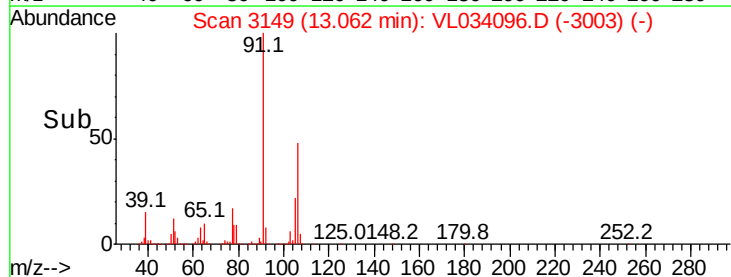
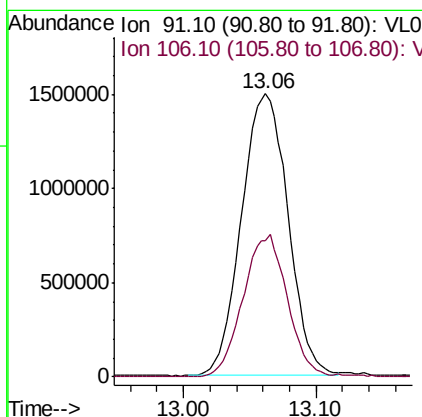
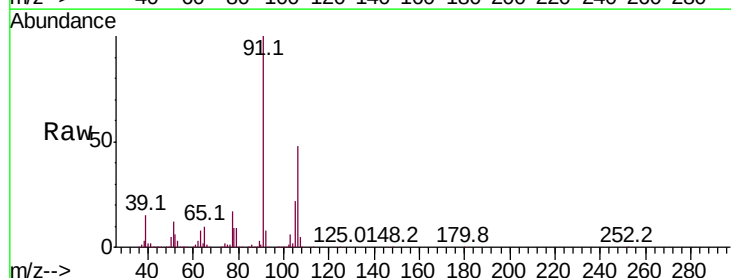
Instrument :
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E049-1100

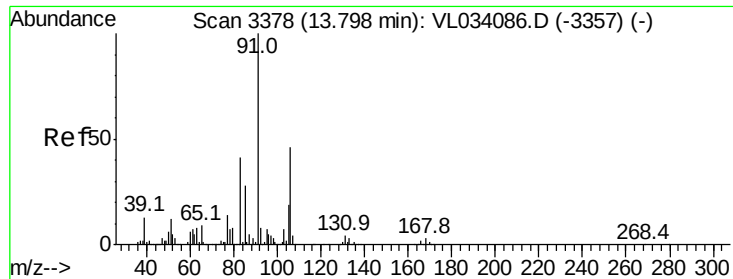
Tot Ion: 91 Resp: 7564229
Ion Ratio Lower Upper
91 100
106 46.5 26.0 39.0#



#59
m/p-Xylene
Concen: 11.116 ppbv
RT: 13.06 min Scan# 3149
Delta R.T. -0.03 min
Lab File: VL034096.D
Acq: 6 Aug 2019 9:07

Tgt Ion: 91 Resp: 3660206
Ion Ratio Lower Upper
91 100
106 48.2 38.7 58.1





#60

o-Xylene

Concen: 14.269 ppbv

RT: 13.79 min Scan# 3375

Delta R.T. -0.01 min

Lab File: VL034096.D

Acq: 6 Aug 2019 9:07

Instrument :

MSVOA_L

ClientSampleId :

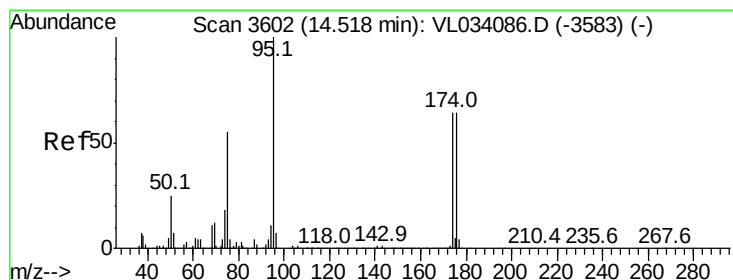
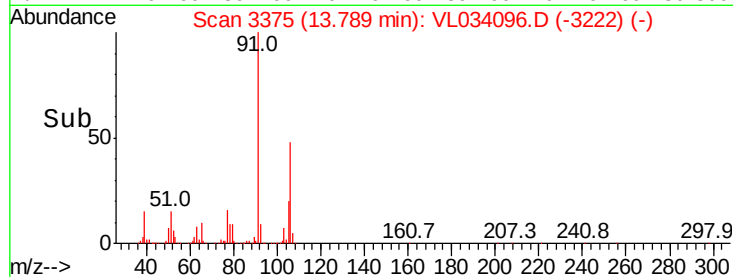
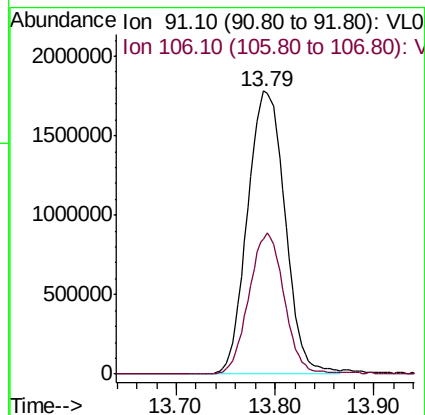
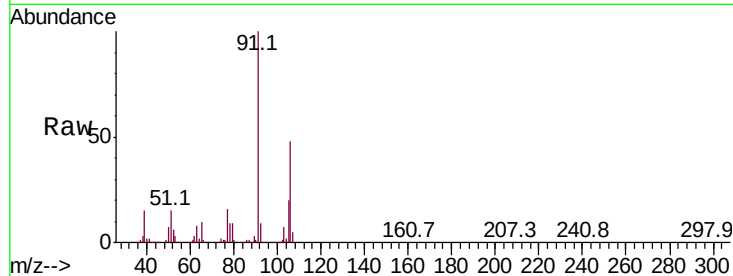
E049-1100

Tot Ion: 91 Resp: 4695347

Ion Ratio Lower Upper

91 100

106 47.0 22.6 67.7



#68

1-Bromo-4-Fluorobenzene

Concen: 12.527 ppbv

RT: 14.52 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VL034096.D

Acq: 6 Aug 2019 9:07

Tgt Ion: 95 Resp: 2479606

Ion Ratio Lower Upper

95 100

174 65.5 53.0 79.6

175 5.0 4.2 6.2

