

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032360.D
 Acq On : 15 Aug 2018 20:31
 Operator : SY/AP
 Sample : J4266-01DL 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1000DL

Quant Time: Aug 16 22:13:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	2389740	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	4632543	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	4436798	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	3549575	10.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

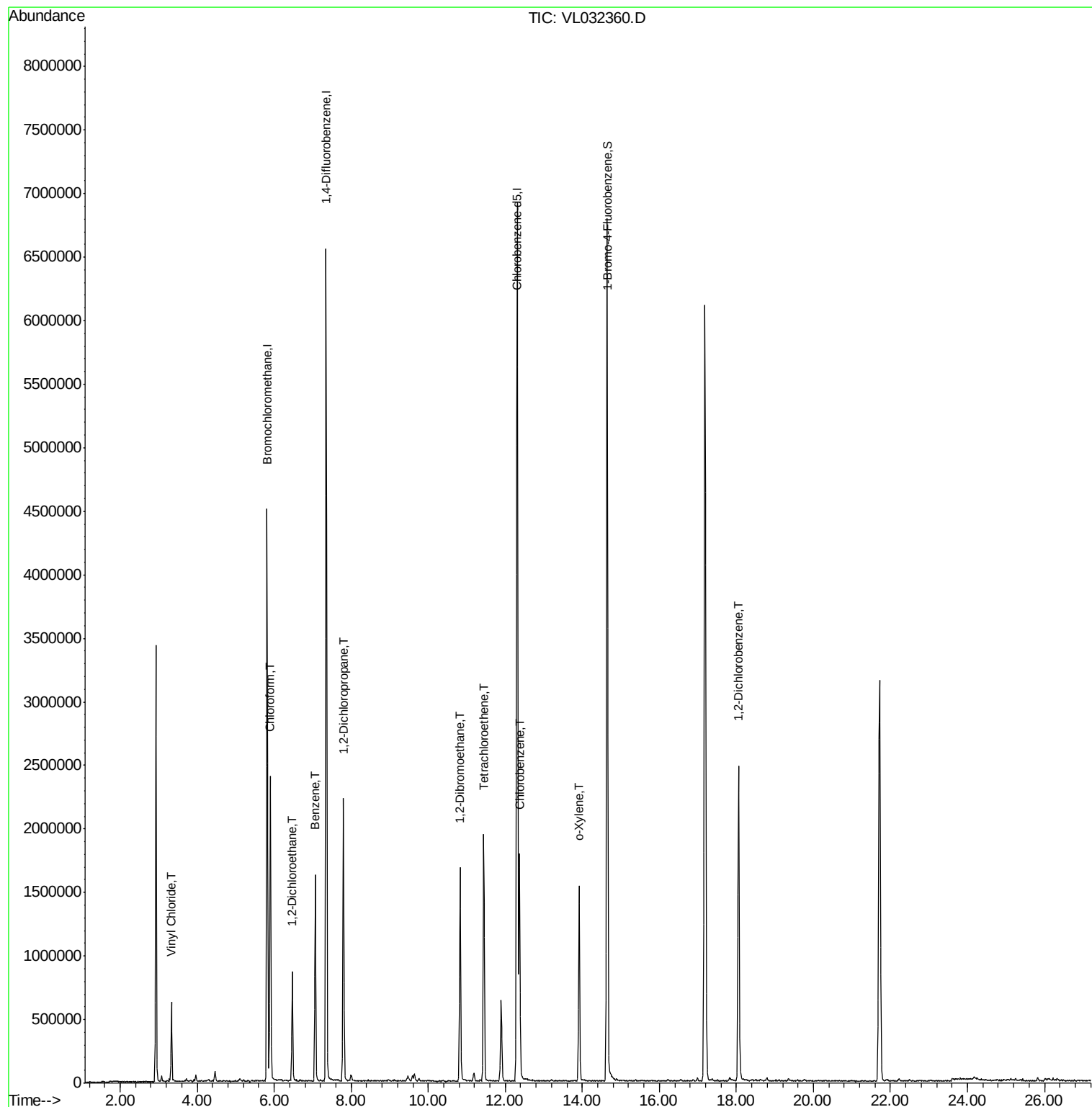
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.33	62	549348	4.37	ppbv	99
29) Chloroform	5.90	83	1648914	5.19	ppbv	97
36) Benzene	7.06	78	1310859	3.34	ppbv	98
37) 1,2-Dichloroethane	6.47	62	702288	2.95	ppbv	100
39) 1,2-Dichloropropane	7.80	63	849539	5.18	ppbv	98
52) Tetrachloroethene	11.44	164	459252	3.96	ppbv	93
54) 1,2-Dibromoethane	10.83	107	1395526	6.02	ppbv	98
57) Chlorobenzene	12.37	112	1078859	3.23	ppbv	99
60) o-Xylene	13.92	91	1087431	2.44	ppbv	98
77) 1,2-Dichlorobenzene	18.06	146	1269247	4.34	ppbv	99

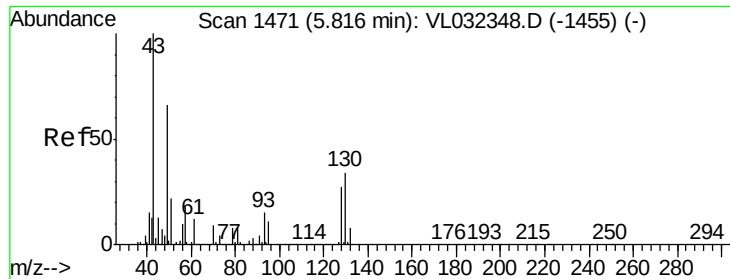
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_L
ClientSampleId :
1000DL

Quant Time: Aug 16 22:13:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.82 min Scan# 1471

Delta R.T. -0.00 min

Lab File: VL032360.D

Acq: 15 Aug 2018 20:31

Instrument :

MSVOA_L

ClientSampleId :

1000DL

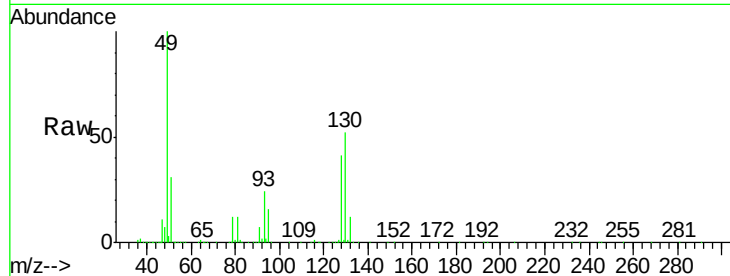
Tot Ion: 49 Resp: 2389740

Ion Ratio Lower Upper

49 100

128 41.2 20.5 61.6

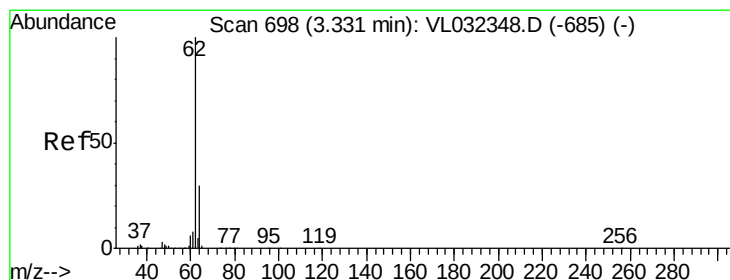
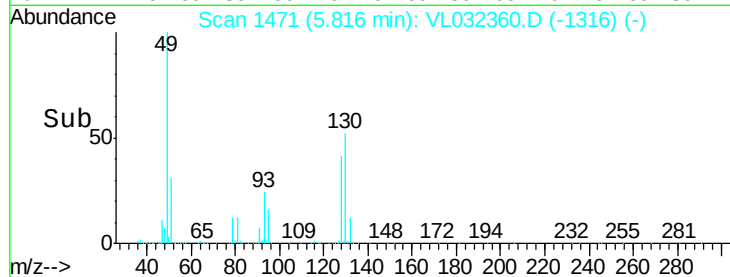
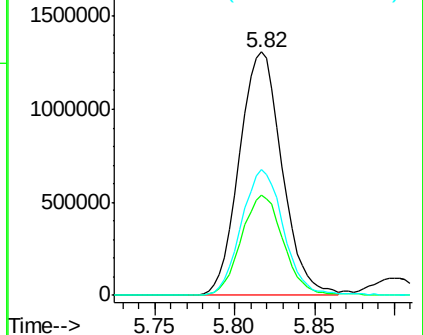
130 51.3 26.2 78.5



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



#5

Vinyl Chloride

Concen: 4.37 ppbv

RT: 3.33 min Scan# 698

Delta R.T. -0.00 min

Lab File: VL032360.D

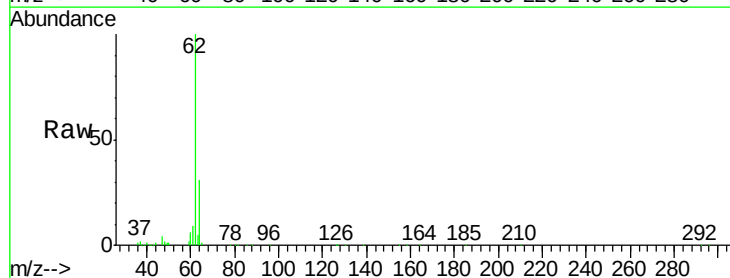
Acq: 15 Aug 2018 20:31

Tgt Ion: 62 Resp: 549348

Ion Ratio Lower Upper

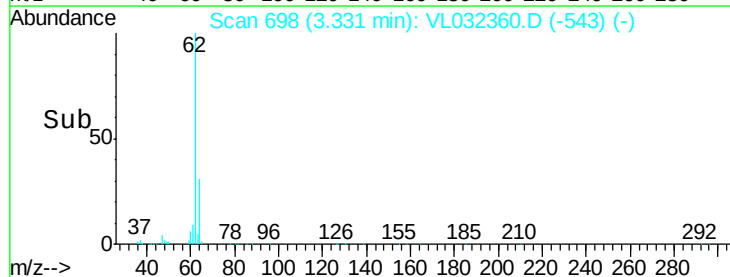
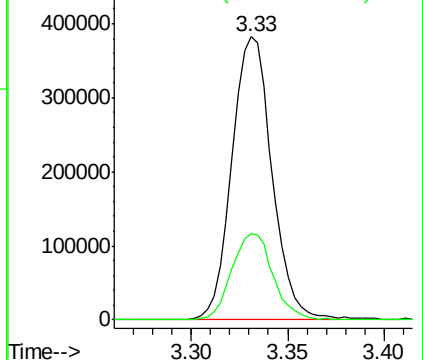
62 100

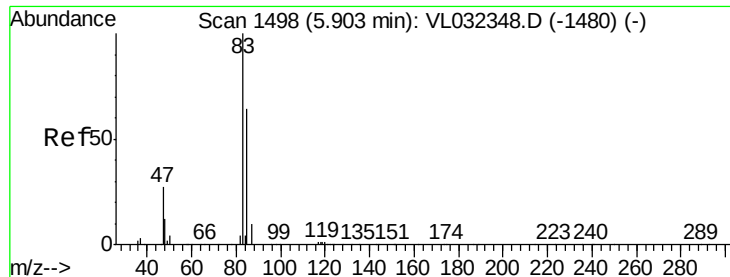
64 30.6 24.2 36.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#29

Chloroform

Concen: 5.19 ppbv

RT: 5.90 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VL032360.D

Acq: 15 Aug 2018 20:31

Instrument :

MSVOA_L

ClientSampleId :

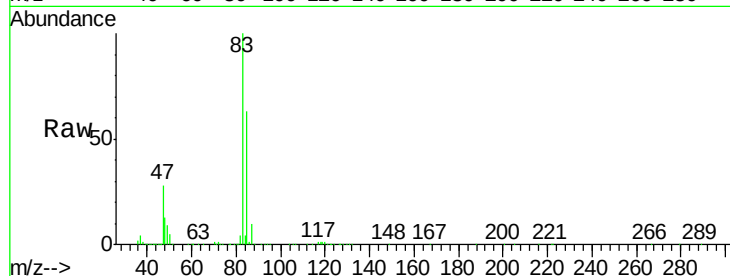
1000DL

Tot Ion: 83 Resp: 1648914

Ion Ratio Lower Upper

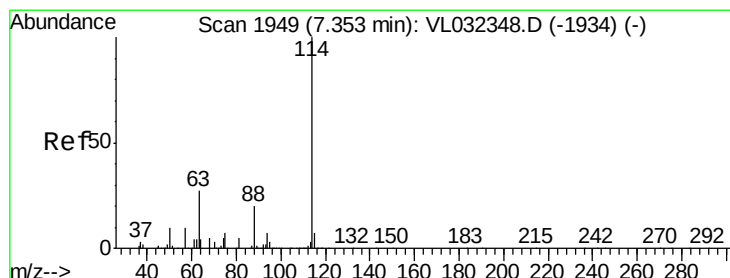
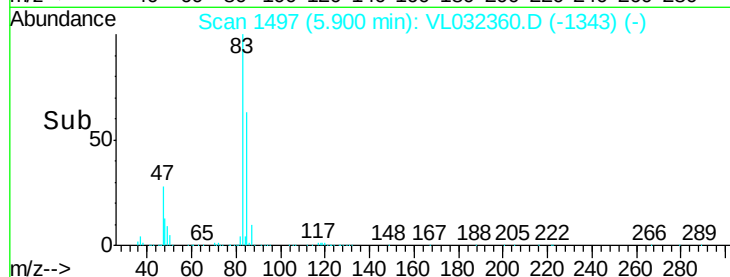
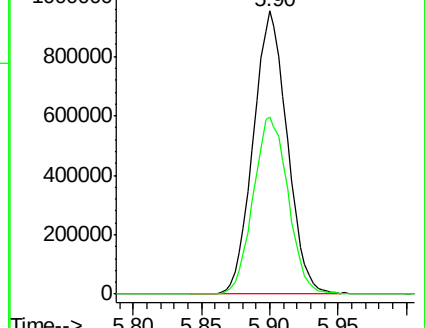
83 100

85 62.5 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.35 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VL032360.D

Acq: 15 Aug 2018 20:31

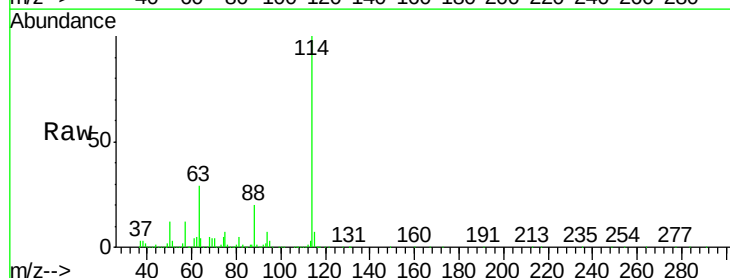
Tgt Ion: 114 Resp: 4632543

Ion Ratio Lower Upper

114 100

63 28.1 22.0 33.0

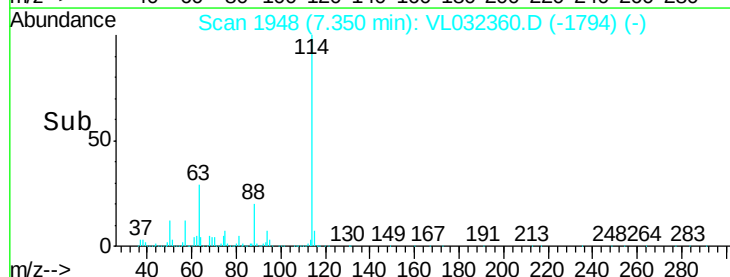
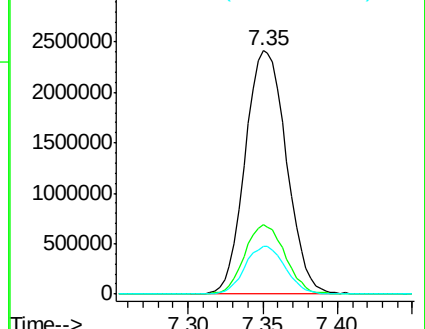
88 19.3 15.3 22.9

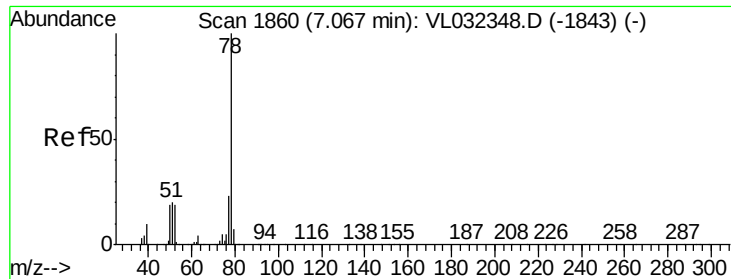


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#36

Benzene

Concen: 3.34 ppbv

RT: 7.06 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VL032360.D

Acq: 15 Aug 2018 20:31

Instrument :

MSVOA_L

ClientSampleId :

1000DL

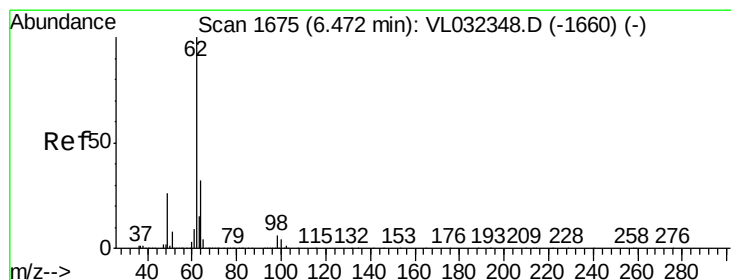
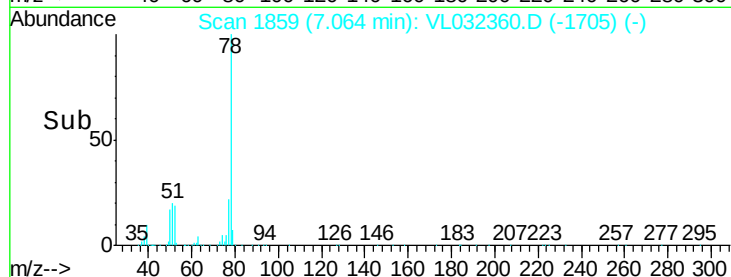
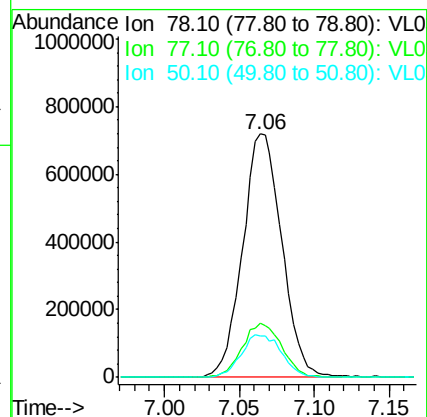
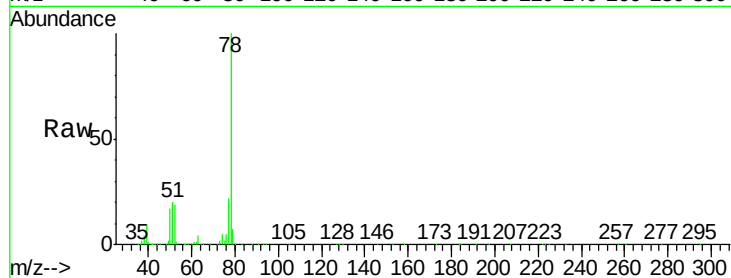
Tot Ion: 78 Resp: 1310859

Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.0	27.0
50	17.2	15.1	22.7

78 100

77 22.2 18.0 27.0

50 17.2 15.1 22.7



#37

1,2-Dichloroethane

Concen: 2.95 ppbv

RT: 6.47 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VL032360.D

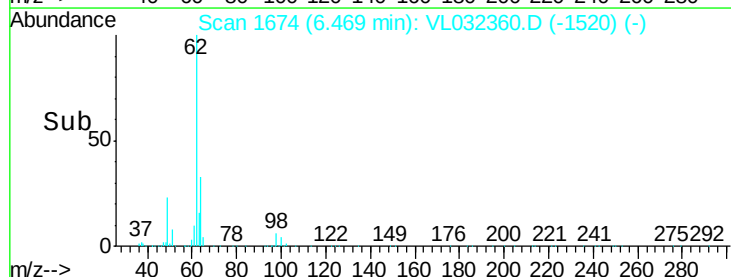
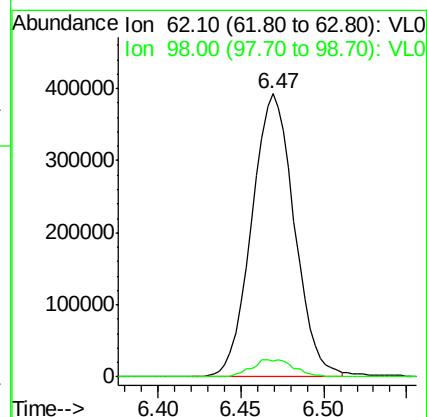
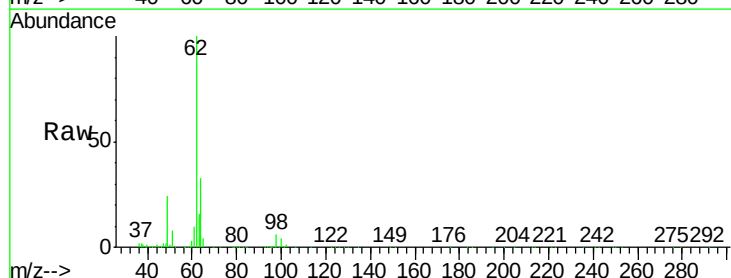
Acq: 15 Aug 2018 20:31

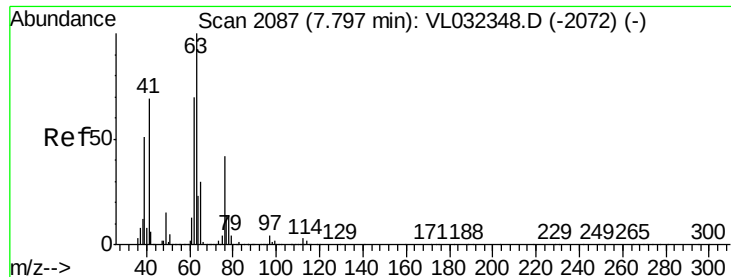
Tgt Ion: 62 Resp: 702288

Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.0	7.6

62 100

98 6.3 5.0 7.6





#39

1,2-Dichloropropane

Concen: 5.18 ppbv

RT: 7.80 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VL032360.D

Acq: 15 Aug 2018 20:31

Instrument :

MSVOA_L

ClientSampleID :

1000DL

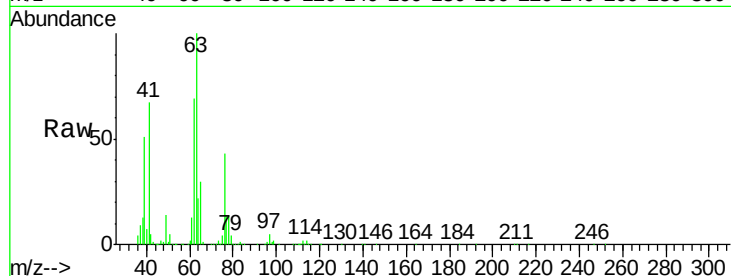
Tot Ion: 63 Resp: 849539

Ion Ratio Lower Upper

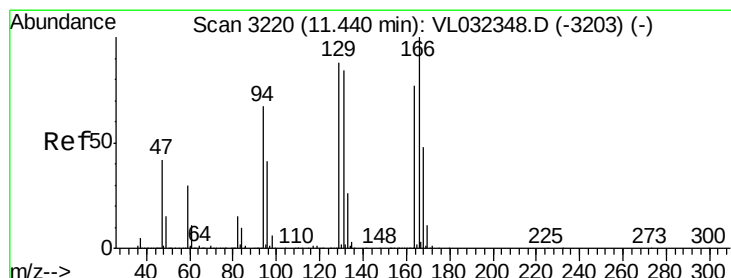
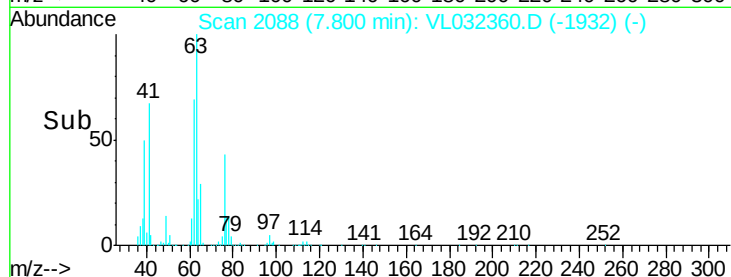
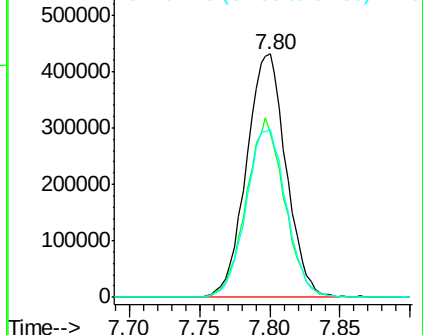
63 100

41 67.4 55.5 83.3

62 69.2 56.3 84.5



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: 3.96 ppbv

RT: 11.44 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VL032360.D

Acq: 15 Aug 2018 20:31

Tgt Ion: 164 Resp: 459252

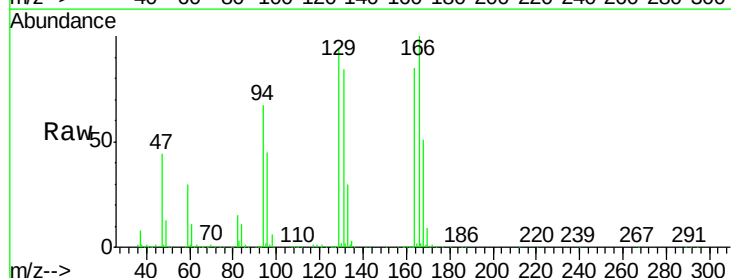
Ion Ratio Lower Upper

164 100

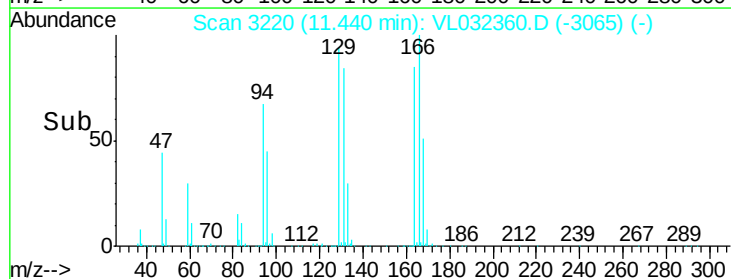
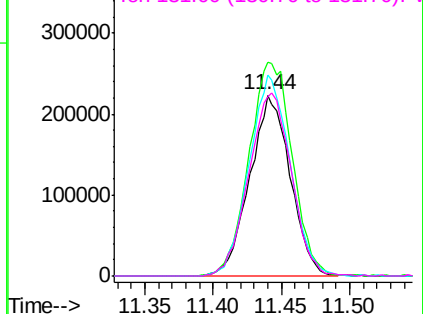
166 117.8 103.5 155.3

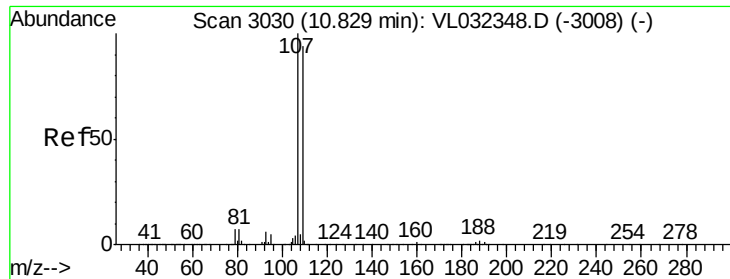
129 110.5 90.9 136.3

131 98.6 86.7 130.1



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





#54

1,2-Dibromoethane

Concen: 6.02 ppbv

RT: 10.83 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VL032360.D

Acq: 15 Aug 2018 20:31

Instrument :

MSVOA_L

ClientSampleId :

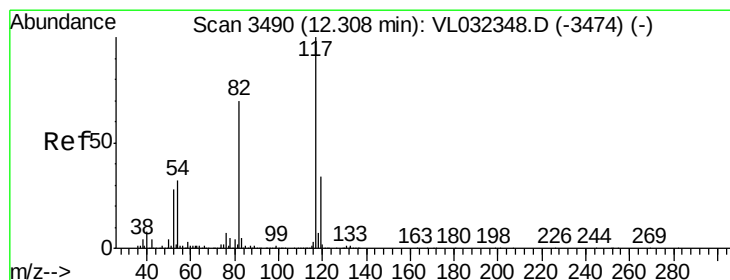
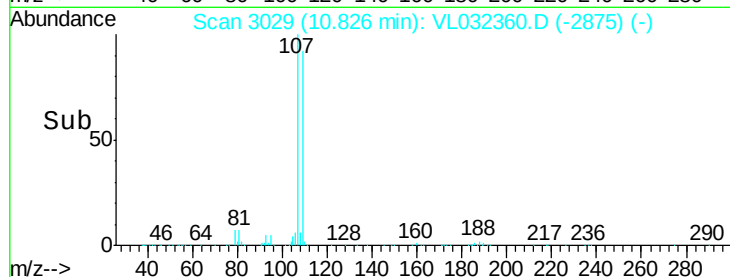
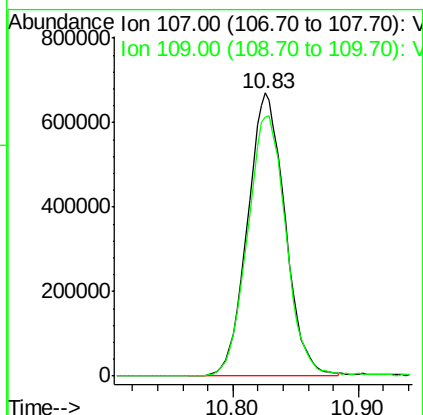
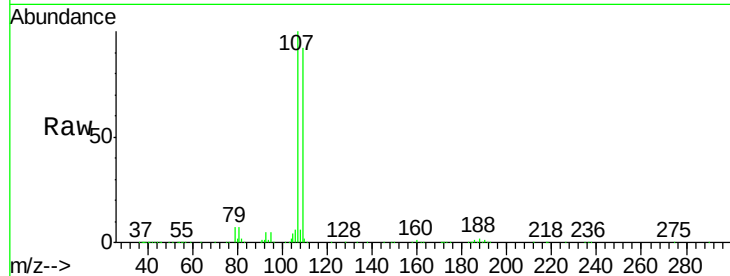
1000DL

Tot Ion:107 Resp: 1395526

Ion Ratio Lower Upper

107 100

109 91.6 74.9 112.3



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.30 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VL032360.D

Acq: 15 Aug 2018 20:31

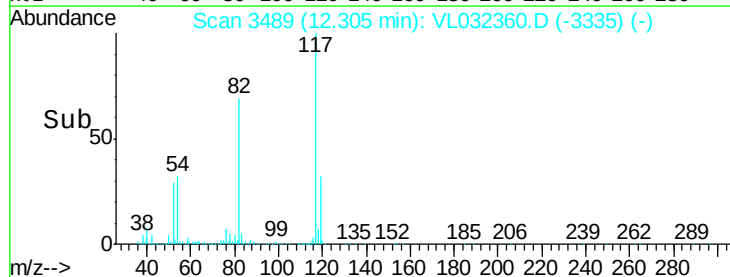
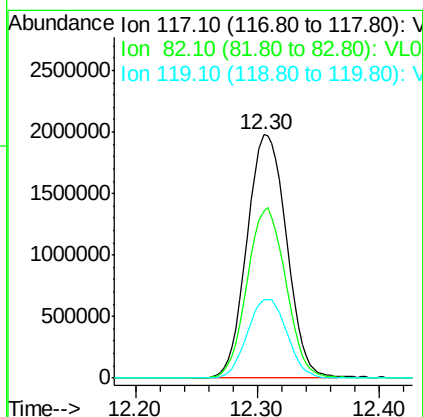
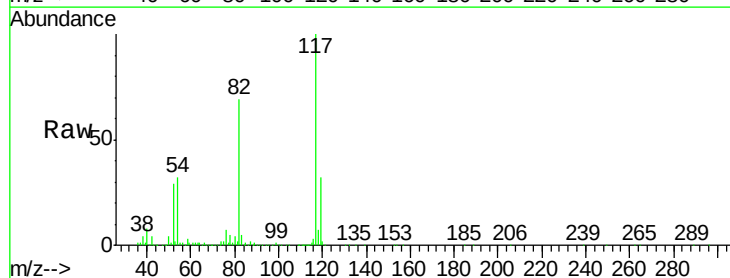
Tgt Ion:117 Resp: 4436798

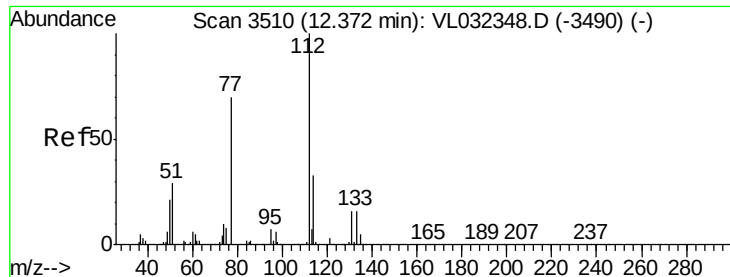
Ion Ratio Lower Upper

117 100

82 69.0 55.1 82.7

119 32.6 46.0 69.0#





#57

Chlorobenzene

Concen: 3.23 ppbv

RT: 12.37 min Scan# 3509

Delta R.T. -0.00 min

Lab File: VL032360.D

Acq: 15 Aug 2018 20:31

Instrument :

MSVOA_L

ClientSampleId :

1000DL

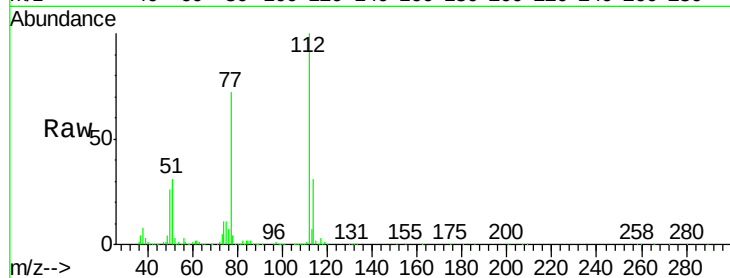
Tot Ion:112 Resp: 1078859

Ion Ratio Lower Upper

112 100

77 71.3 56.6 84.8

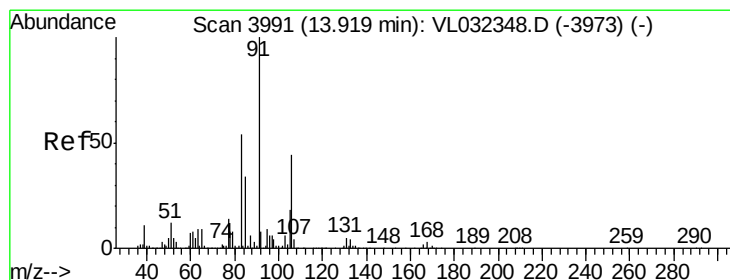
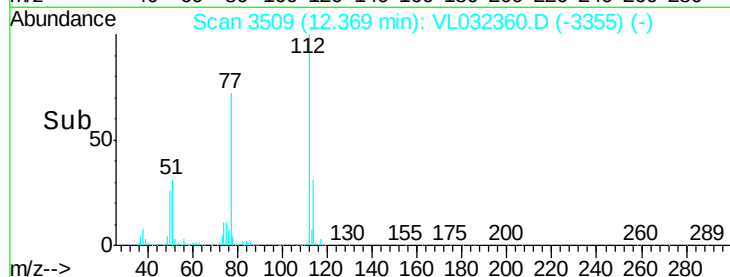
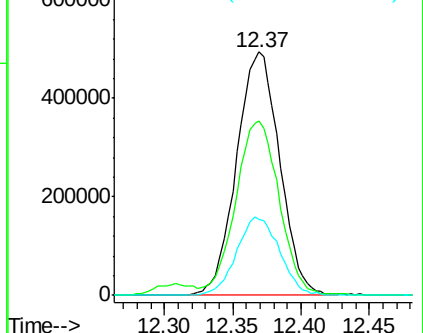
114 31.2 29.4 36.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#60

o-Xylene

Concen: 2.44 ppbv

RT: 13.92 min Scan# 3990

Delta R.T. -0.00 min

Lab File: VL032360.D

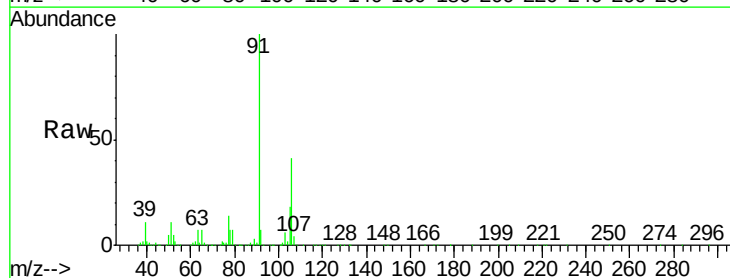
Acq: 15 Aug 2018 20:31

Tgt Ion: 91 Resp: 1087431

Ion Ratio Lower Upper

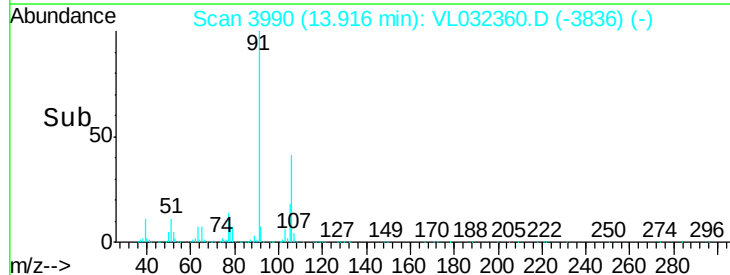
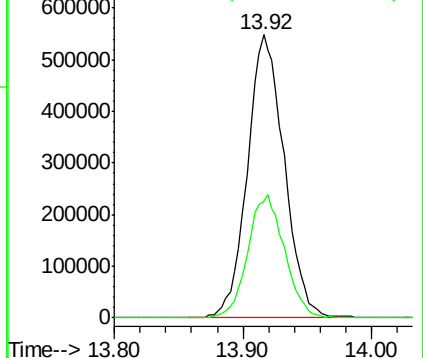
91 100

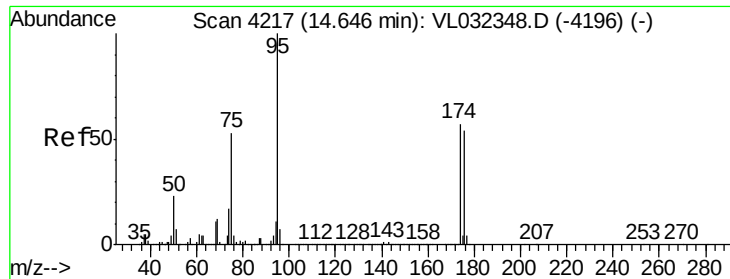
106 43.4 22.3 66.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

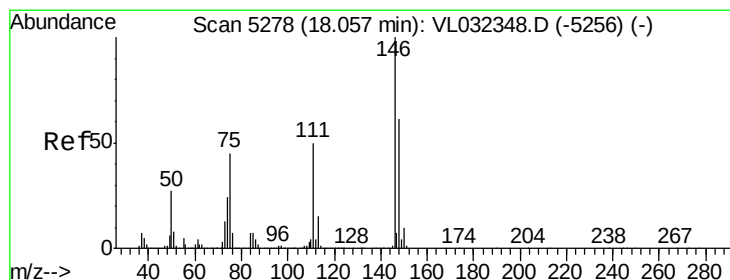
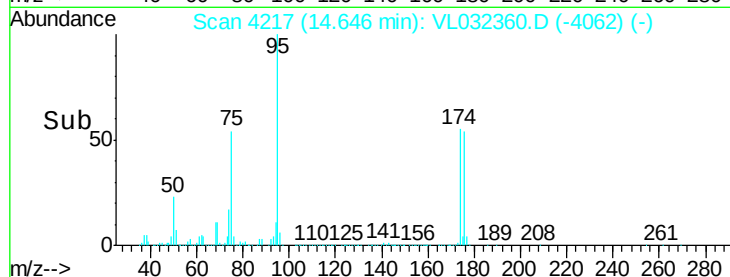
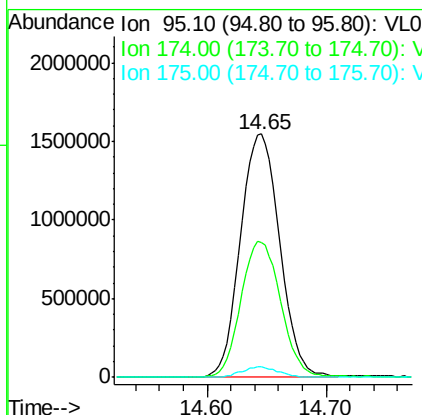
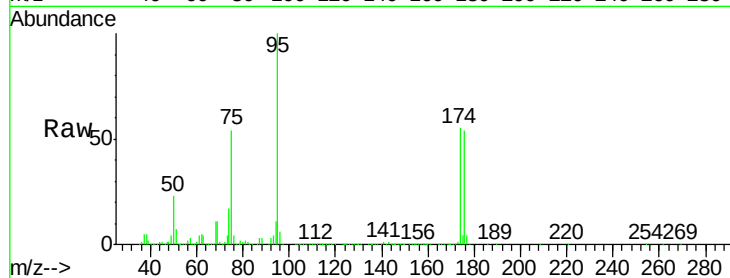




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.49 ppbv
 RT: 14.65 min Scan# 4217
 Delta R.T. -0.00 min
 Lab File: VL032360.D
 Acq: 15 Aug 2018 20:31

Instrument :
 MSVOA_L
 ClientSampleId :
 1000DL

Tot Ion: 95 Resp: 3549575
 Ion Ratio Lower Upper
 95 100
 174 57.2 46.2 69.4
 175 4.1 3.4 5.0



#77
 1,2-Dichlorobenzene
 Concen: 4.34 ppbv
 RT: 18.06 min Scan# 5278
 Delta R.T. -0.00 min
 Lab File: VL032360.D
 Acq: 15 Aug 2018 20:31

Tgt Ion: 146 Resp: 1269247
 Ion Ratio Lower Upper
 146 100
 111 50.1 25.2 75.6
 148 64.8 31.8 95.4

