

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\
 Data File : VL033179.D
 Acq On : 6 Feb 2019 10:35
 Operator : SY/AP
 Sample : K1289-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1000

Quant Time: Feb 20 06:45:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 20 06:00:52 2019
 QLast Update : Wed Feb 20 06:00:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	801078	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1903566	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1964430	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1640303	10.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.10%

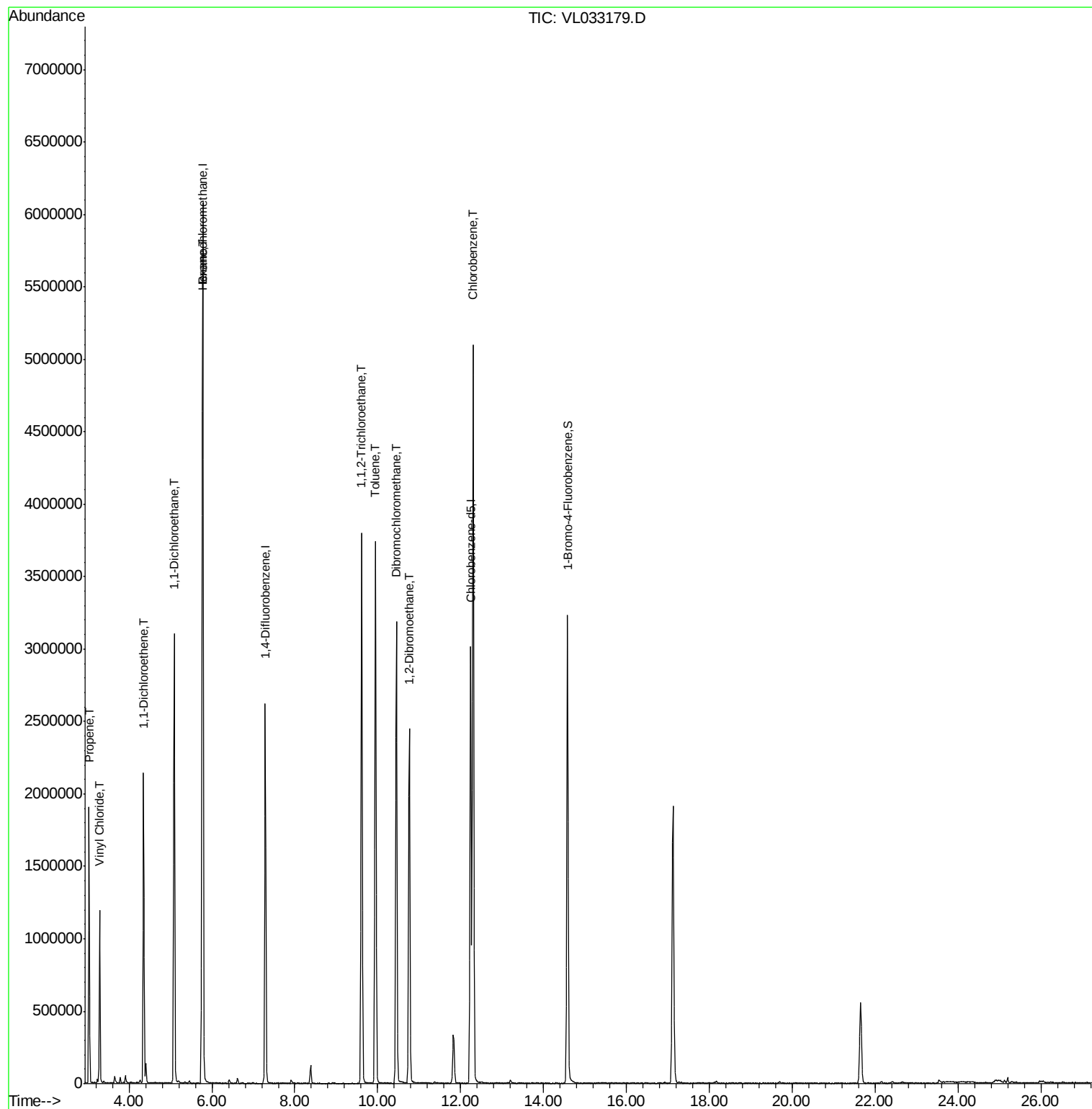
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.29	62	962810	18.104	ppbv	99
9) Propene	3.04	41	768495	16.493	ppbv	98
18) 1,1-Dichloroethene	4.35	96	627108	16.303	ppbv	96
24) 1,1-Dichloroethane	5.09	63	2612606	23.614	ppbv	100
26) Hexane	5.78	57	2465254	25.879	ppbv #	42
47) 1,1,2-Trichloroethane	9.61	97	1395952	17.668	ppbv	98
48) Dibromochloromethane	10.45	129	2007845	16.130	ppbv	100
53) Toluene	9.95	91	3073278	13.453	ppbv	100
54) 1,2-Dibromoethane	10.76	107	2110031	17.018	ppbv	97
57) Chlorobenzene	12.30	112	3260756	18.759	ppbv	98

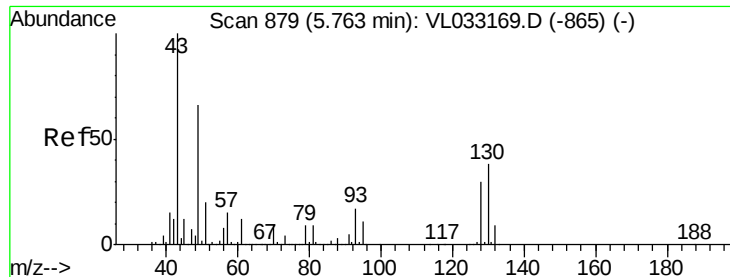
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL020519\
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1000

Quant Time: Feb 20 06:45:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 20 06:00:52 2019
QLast Update : Wed Feb 20 06:00:52 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033179.D

Acq: 6 Feb 2019 10:35

Instrument :
MSVOA_L
ClientSampleId :
1000

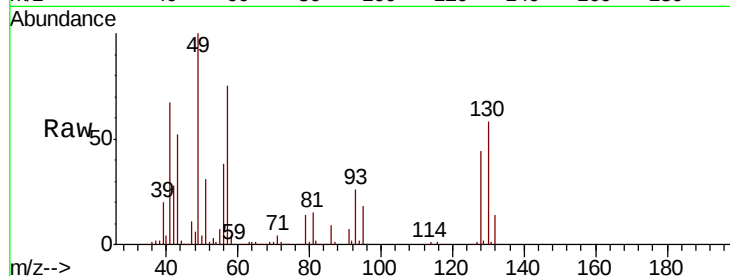
Tgt Ion: 49 Resp: 801078

Ion Ratio Lower Upper

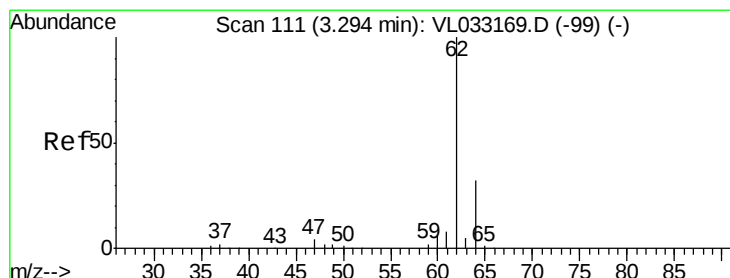
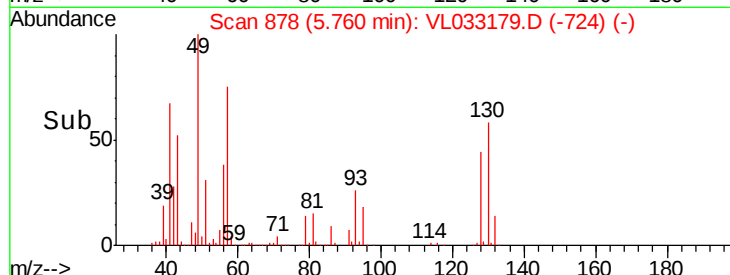
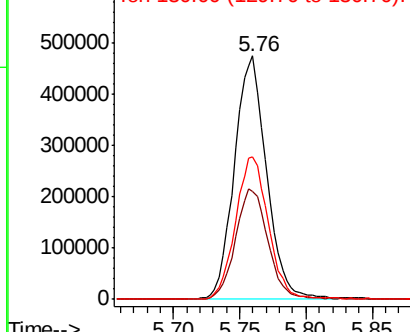
49 100

128 46.3 23.6 71.0

130 60.4 30.3 91.0



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 18.104 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033179.D

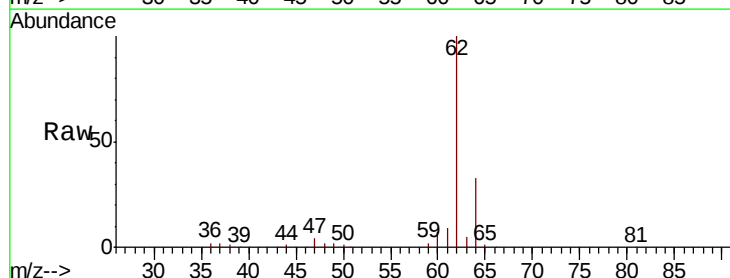
Acq: 6 Feb 2019 10:35

Tgt Ion: 62 Resp: 962810

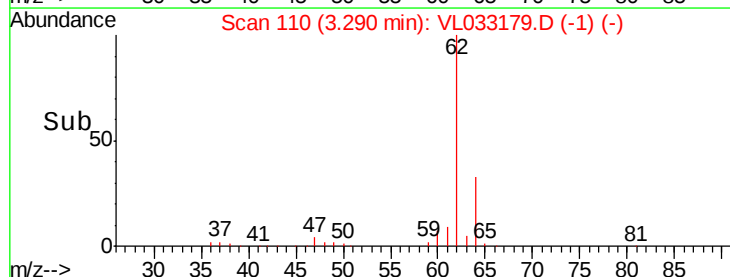
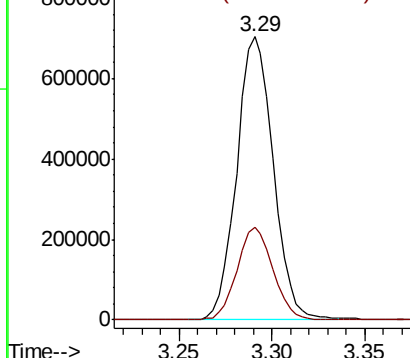
Ion Ratio Lower Upper

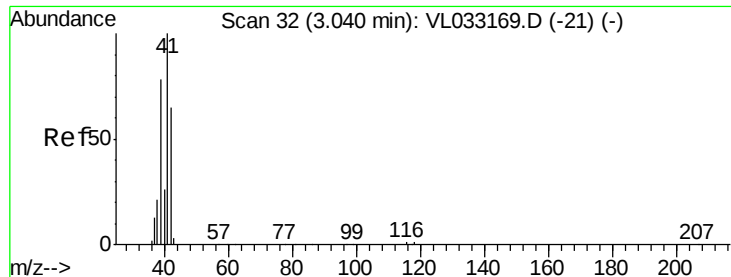
62 100

64 32.5 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 64.10 (63.80 to 64.80): VL0





#9

Propene

Concen: 16.493 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033179.D

Acq: 6 Feb 2019 10:35

Instrument :

MSVOA_L

ClientSampleId :

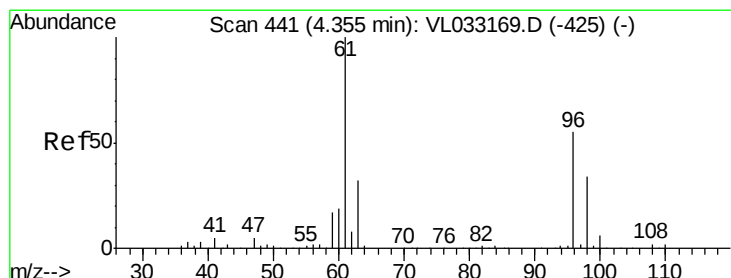
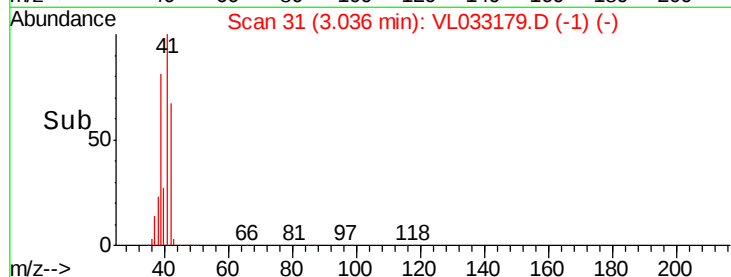
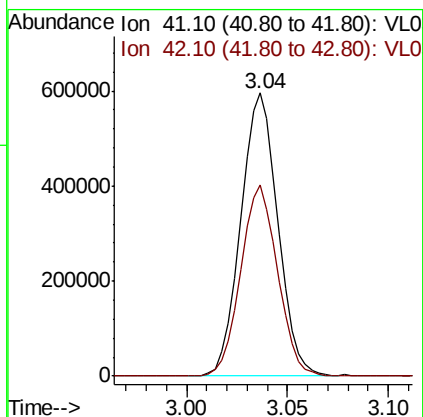
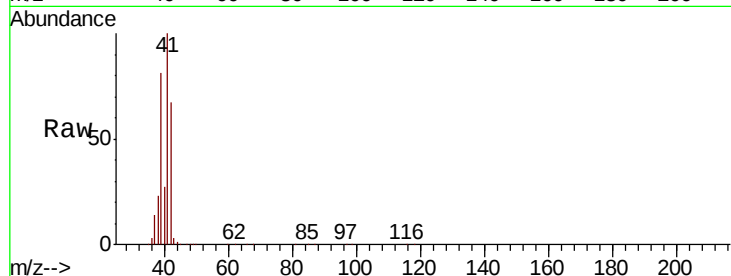
1000

Tgt Ion: 41 Resp: 768495

Ion Ratio Lower Upper

41 100

42 67.4 55.0 82.6



#18

1,1-Dichloroethene

Concen: 16.303 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033179.D

Acq: 6 Feb 2019 10:35

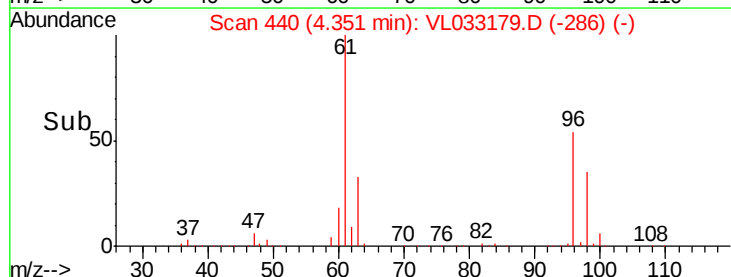
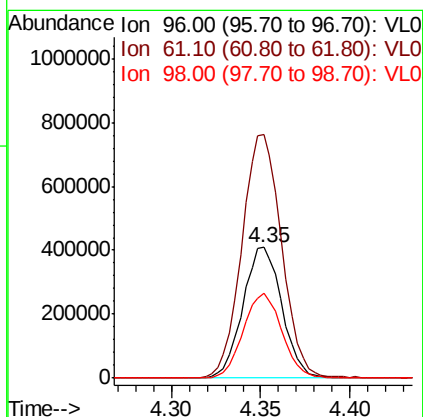
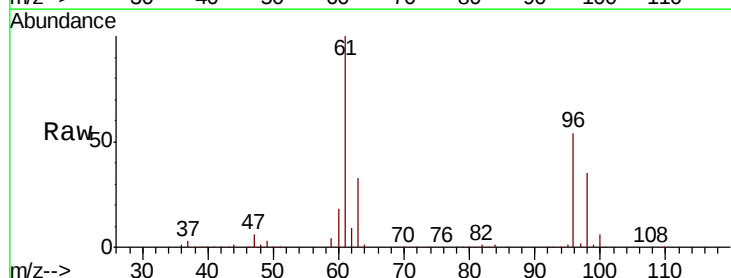
Tgt Ion: 96 Resp: 627108

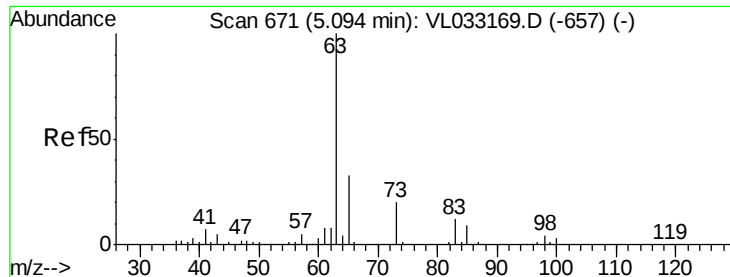
Ion Ratio Lower Upper

96 100

61 186.4 145.0 217.6

98 65.3 50.0 75.0





#24

1,1-Dichloroethane

Concen: 23.614 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.01 min

Lab File: VL033179.D

Acq: 6 Feb 2019 10:35

Instrument :

MSVOA_L

ClientSampleId :

1000

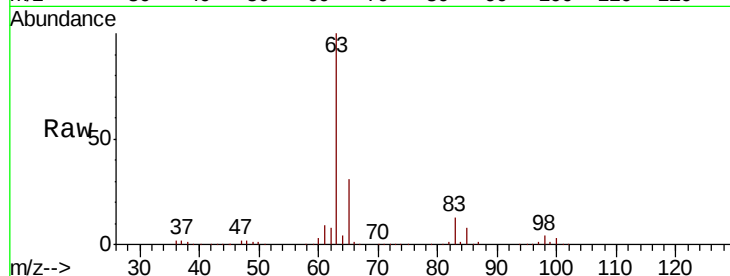
Tgt Ion: 63 Resp: 2612606

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

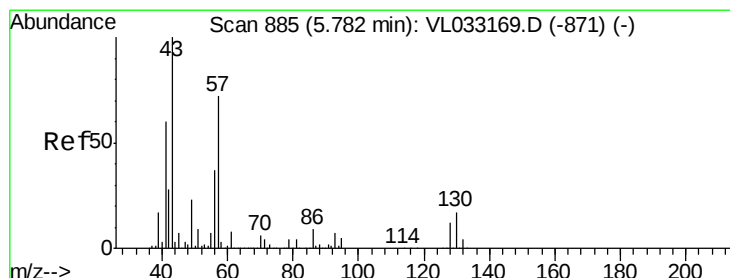
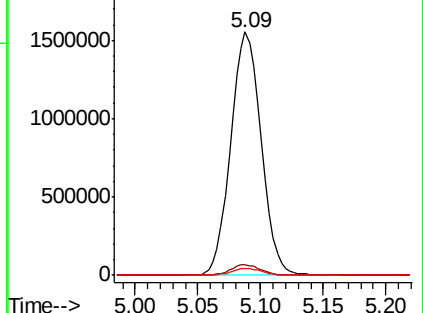
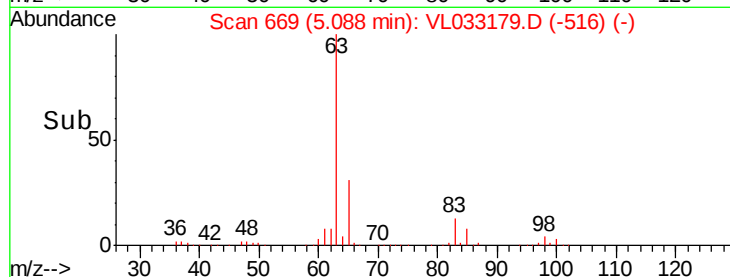
100 2.6 1.4 4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#26

Hexane

Concen: 25.879 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033179.D

Acq: 6 Feb 2019 10:35

Tgt Ion: 57 Resp: 2465254

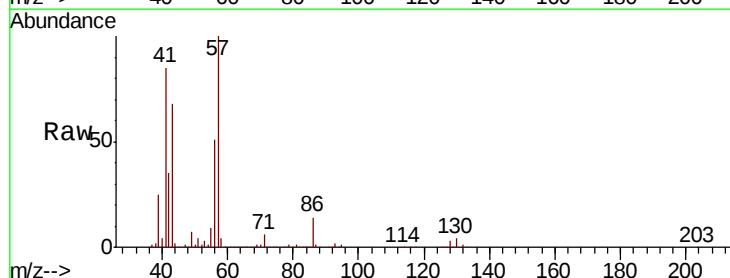
Ion Ratio Lower Upper

57 100

41 85.9 69.4 104.2

43 68.5 176.7 265.1#

56 52.0 41.4 62.0

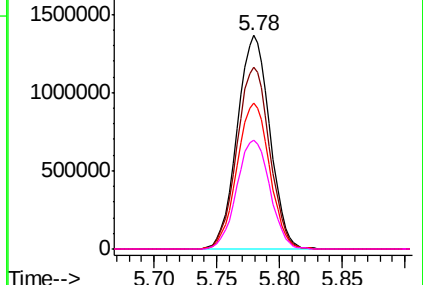
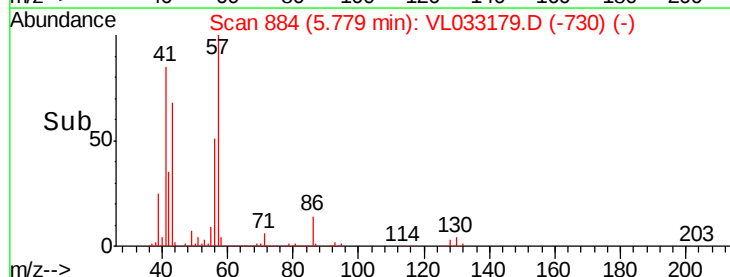


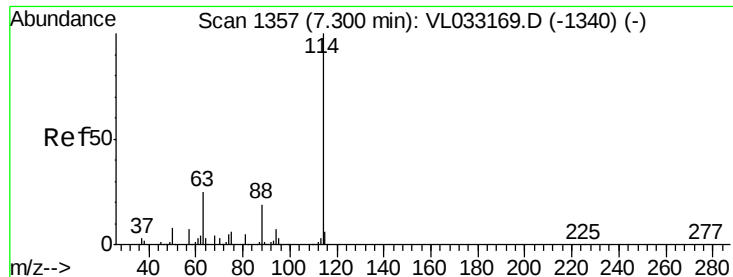
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

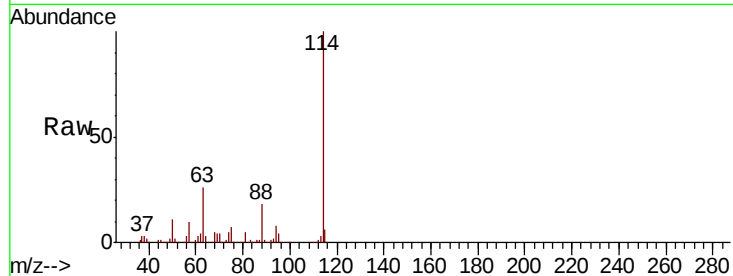




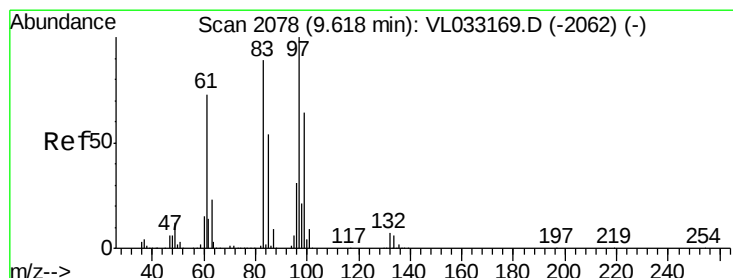
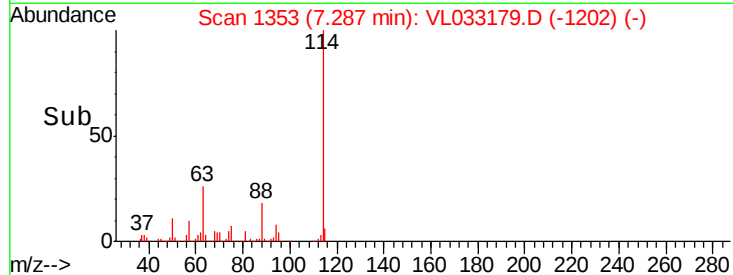
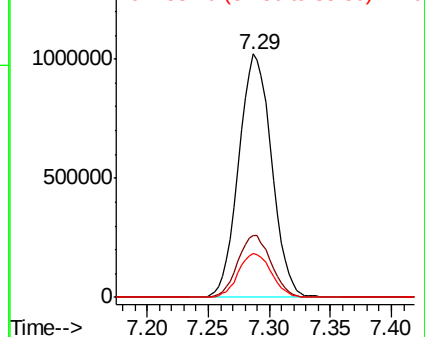
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033179.D
 Acq: 6 Feb 2019 10:35

Instrument :
 MSVOA_L
 ClientSampleId :
 1000

Tgt Ion: 114 Resp: 1903566
 Ion Ratio Lower Upper
 114 100
 63 25.8 20.8 31.2
 88 18.0 14.6 22.0

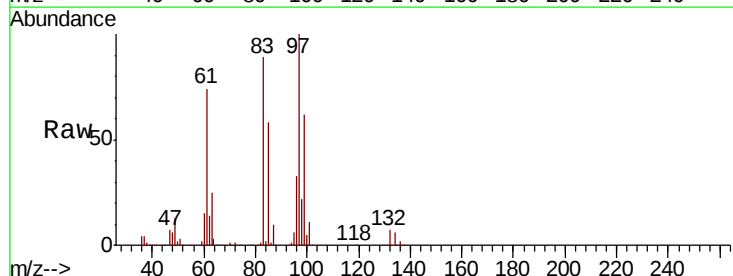


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

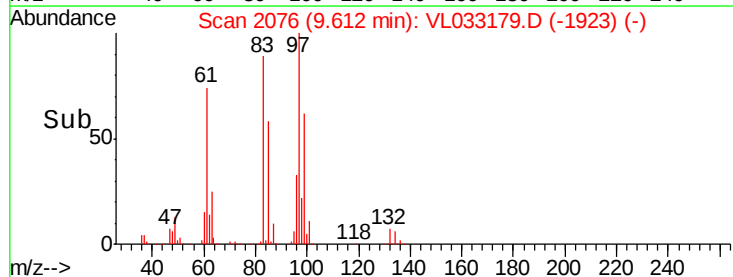
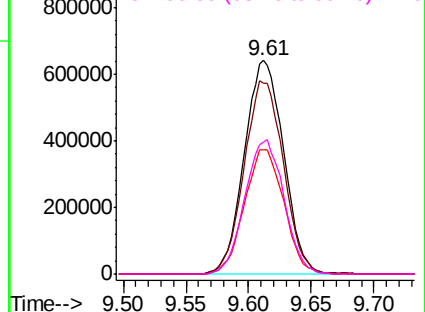


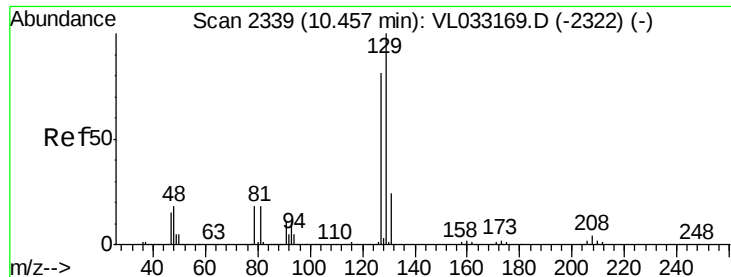
#47
 1,1,2-Trichloroethane
 Concen: 17.668 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.01 min
 Lab File: VL033179.D
 Acq: 6 Feb 2019 10:35

Tgt Ion: 97 Resp: 1395952
 Ion Ratio Lower Upper
 97 100
 83 89.4 71.4 107.2
 85 57.9 43.5 65.3
 99 61.9 51.4 77.0



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0





#48

Dibromochloromethane

Concen: 16.130 ppbv

RT: 10.45 min Scan# 2337

Delta R.T. -0.01 min

Lab File: VL033179.D

Acq: 6 Feb 2019 10:35

Instrument :

MSVOA_L

ClientSampleId :

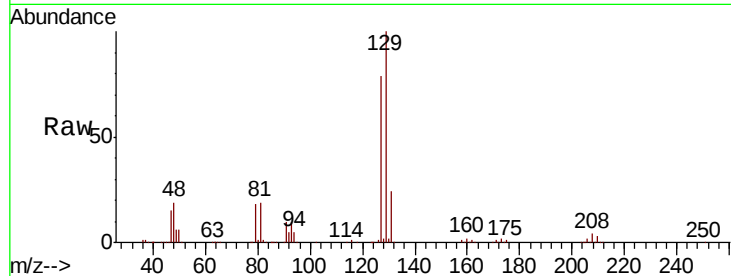
1000

Tgt Ion:129 Resp: 2007845

Ion Ratio Lower Upper

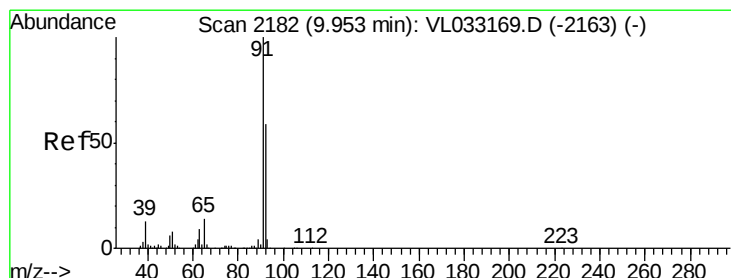
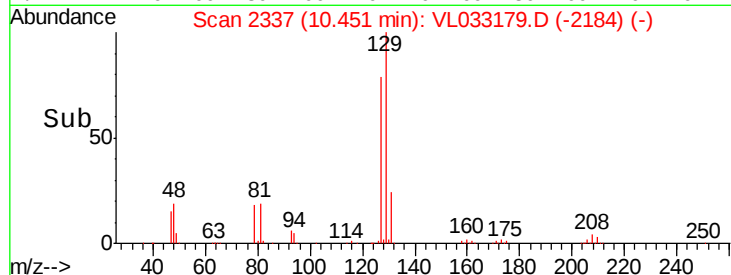
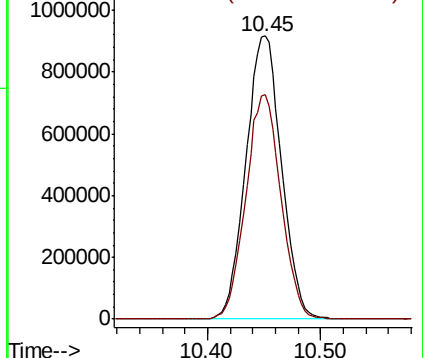
129 100

127 78.4 39.1 117.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#53

Toluene

Concen: 13.453 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033179.D

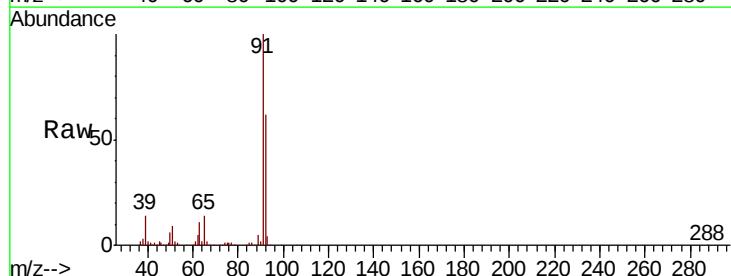
Acq: 6 Feb 2019 10:35

Tgt Ion: 91 Resp: 3073278

Ion Ratio Lower Upper

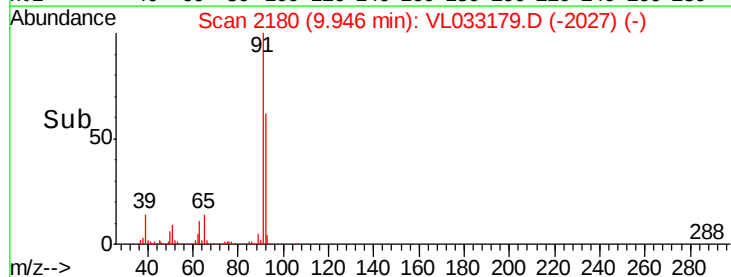
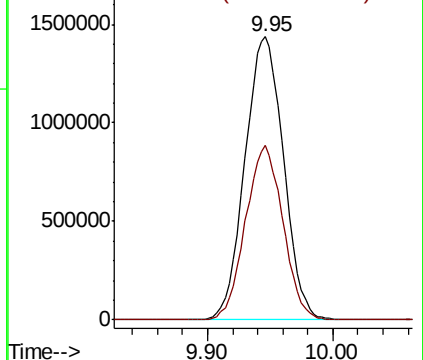
91 100

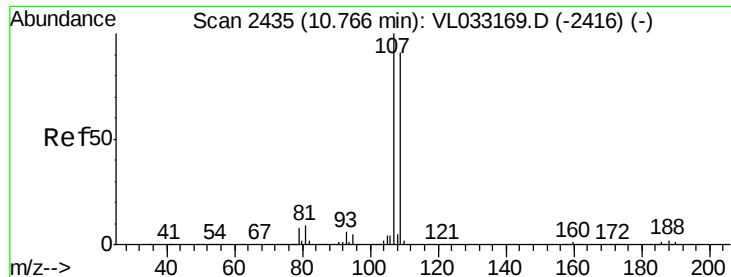
92 59.9 48.0 72.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 17.018 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL033179.D

Acq: 6 Feb 2019 10:35

Instrument :

MSVOA_L

ClientSampled :

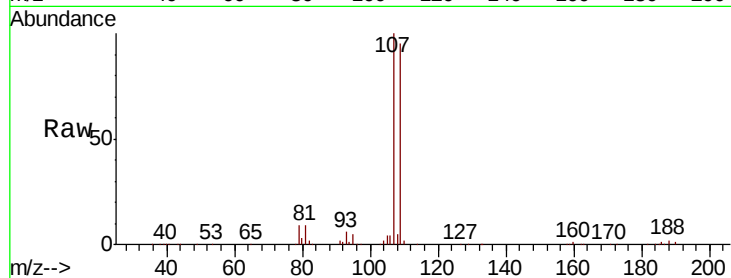
1000

Tgt Ion:107 Resp: 2110031

Ion Ratio Lower Upper

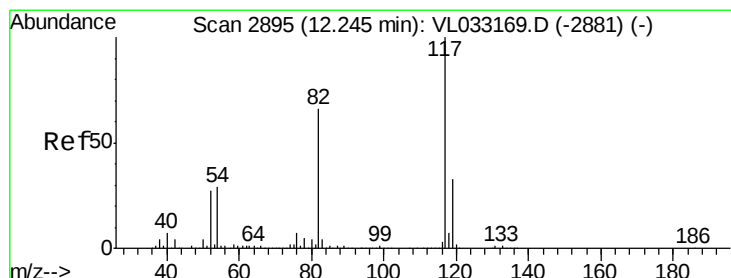
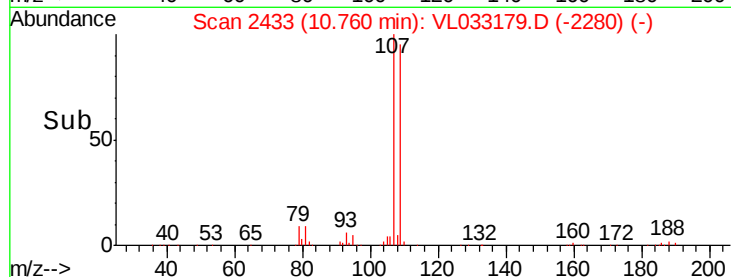
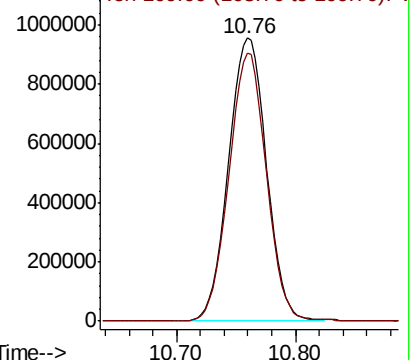
107 100

109 94.6 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL033179.D

Acq: 6 Feb 2019 10:35

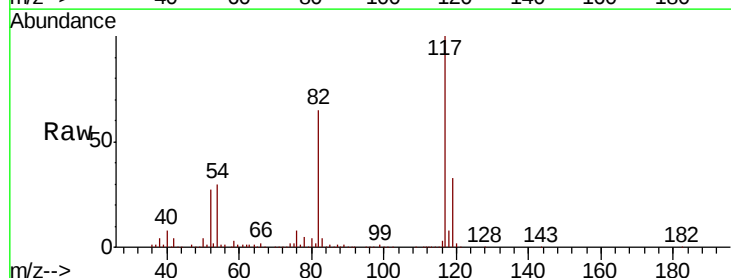
Tgt Ion:117 Resp: 1964430

Ion Ratio Lower Upper

117 100

82 65.5 53.8 80.8

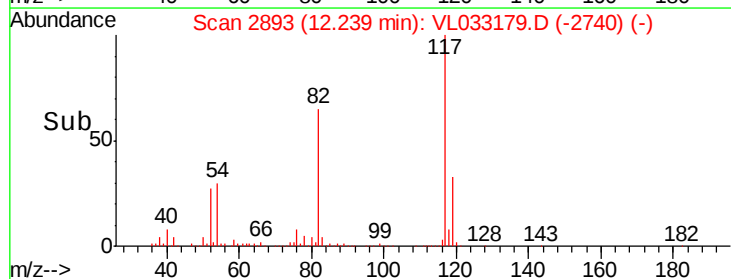
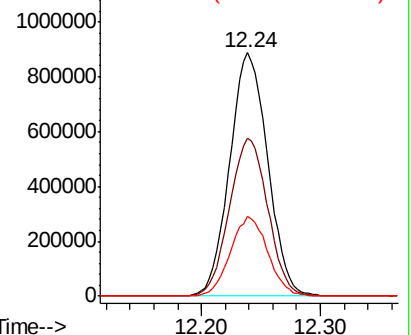
119 32.3 46.9 70.3#

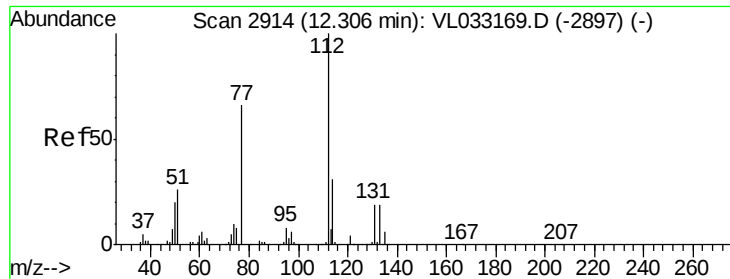


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

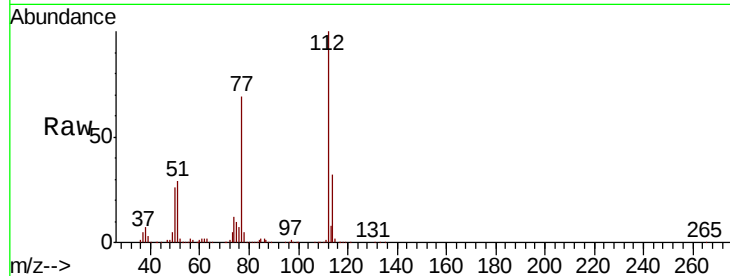




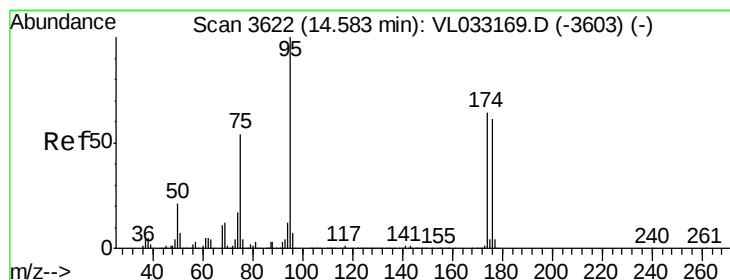
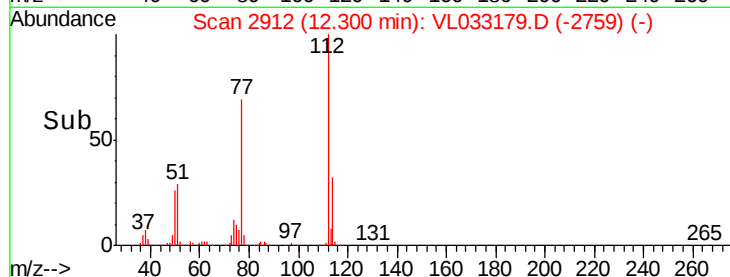
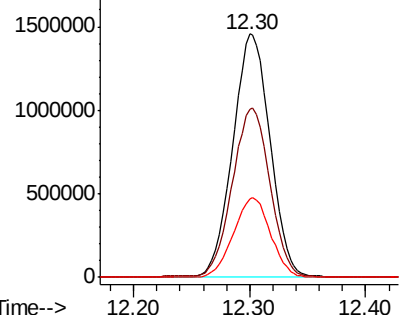
#57
Chlorobenzene
Concen: 18.759 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033179.D
Acq: 6 Feb 2019 10:35

Instrument :
MSVOA_L
ClientSampleId :
1000

Tgt Ion: 112 Resp: 3260756
Ion Ratio Lower Upper
112 100
77 68.9 54.0 81.0
114 32.4 27.9 34.1

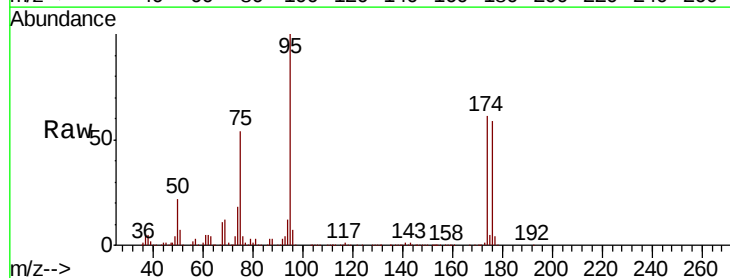


Abundance Ion 112.10 (111.80 to 112.80): V
2000000 Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.715 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033179.D
Acq: 6 Feb 2019 10:35

Tgt Ion: 95 Resp: 1640303
Ion Ratio Lower Upper
95 100
174 63.7 51.1 76.7
175 4.5 3.8 5.6



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

