

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\
 Data File : VL033181.D
 Acq On : 6 Feb 2019 17:10
 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 06:49:10 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	886770	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2197099	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	2600113	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2546461	12.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	125.70%

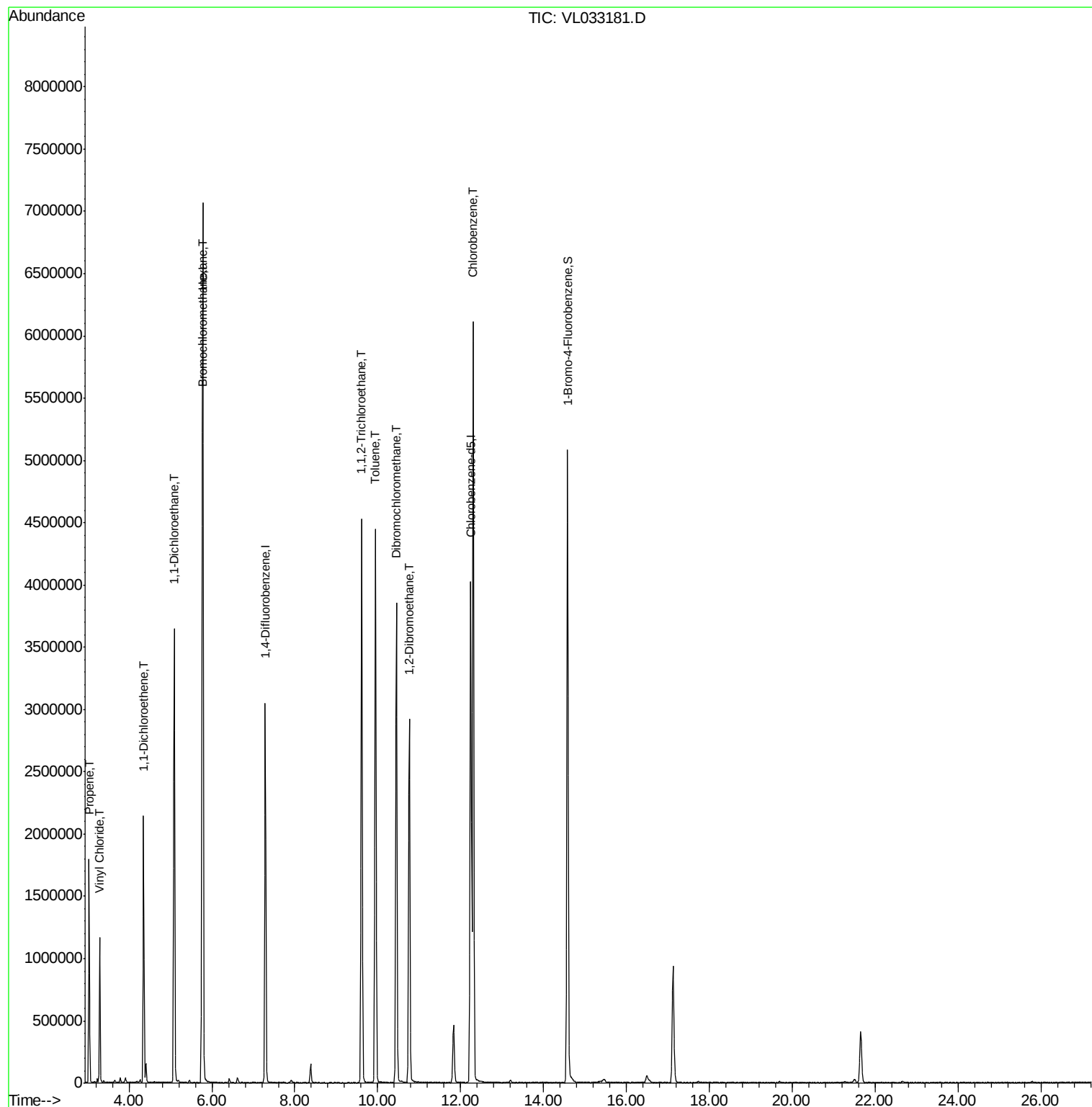
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.29	62	952233	16.175	ppbv	99
9) Propene	3.04	41	712086	13.806	ppbv	100
18) 1,1-Dichloroethene	4.35	96	619014	14.537	ppbv	96
24) 1,1-Dichloroethane	5.09	63	3129227	25.550	ppbv	99
26) Hexane	5.78	57	2828753	26.825	ppbv #	42
47) 1,1,2-Trichloroethane	9.61	97	1632113	17.897	ppbv	97
48) Dibromochloromethane	10.45	129	2422637	16.862	ppbv	100
53) Toluene	9.95	91	3638780	13.800	ppbv	100
54) 1,2-Dibromoethane	10.76	107	2477961	17.315	ppbv	97
57) Chlorobenzene	12.30	112	3806568	16.545	ppbv	98

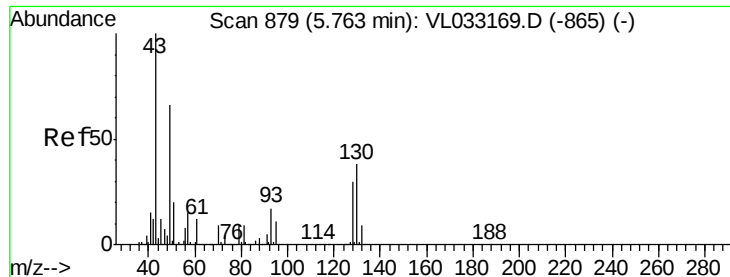
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1000

Quant Time: Feb 20 06:49:10 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# 877

Delta R.T. -0.01 min

Lab File: VL033181.D

Acq: 6 Feb 2019 17:10

Instrument :

MSVOA_L

ClientSampleId :

1000

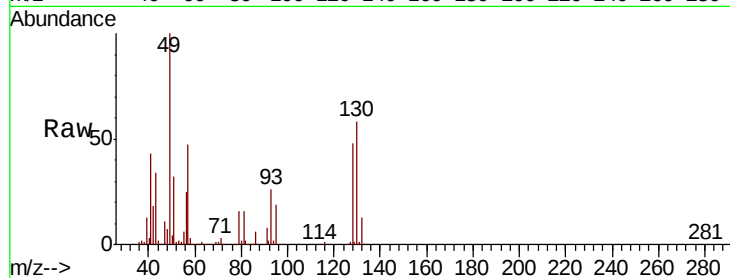
Tgt Ion: 49 Resp: 886770

Ion Ratio Lower Upper

49 100

128 46.3 23.6 71.0

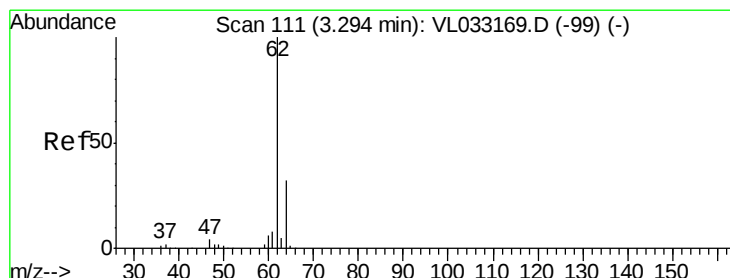
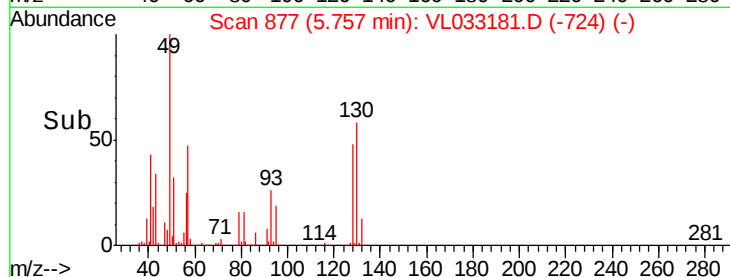
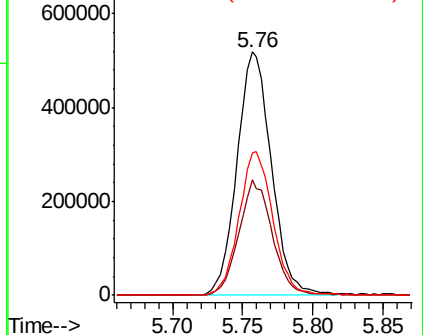
130 58.7 30.3 91.0



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: 16.175 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033181.D

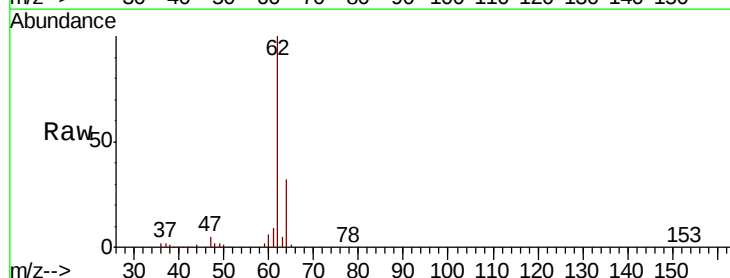
Acq: 6 Feb 2019 17:10

Tgt Ion: 62 Resp: 952233

Ion Ratio Lower Upper

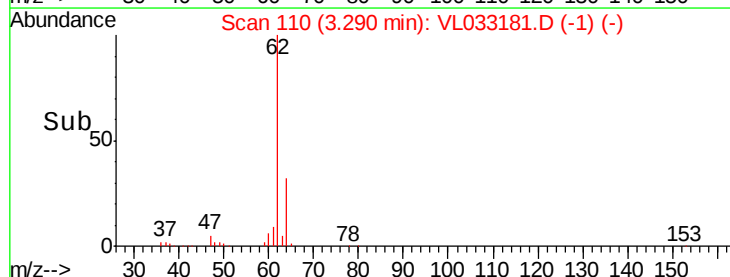
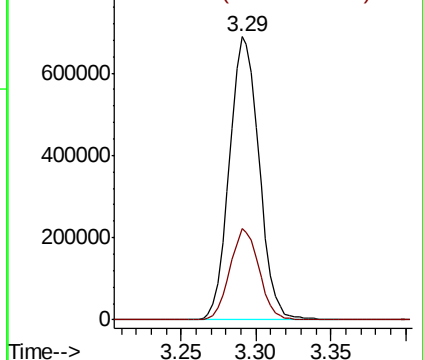
62 100

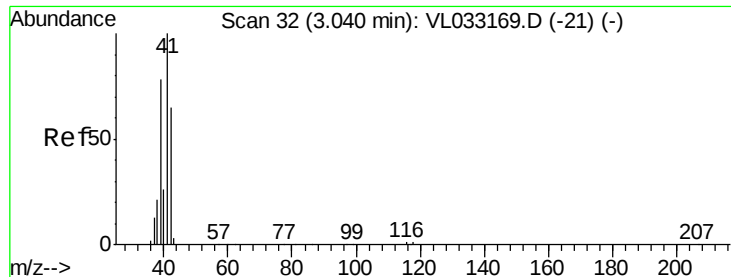
64 32.4 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#9

Propene

Concen: 13.806 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033181.D

Acq: 6 Feb 2019 17:10

Instrument :

MSVOA_L

ClientSampleId :

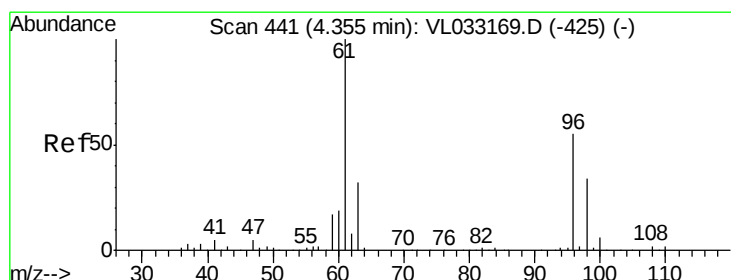
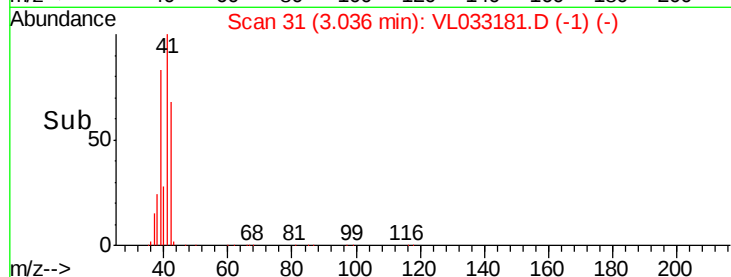
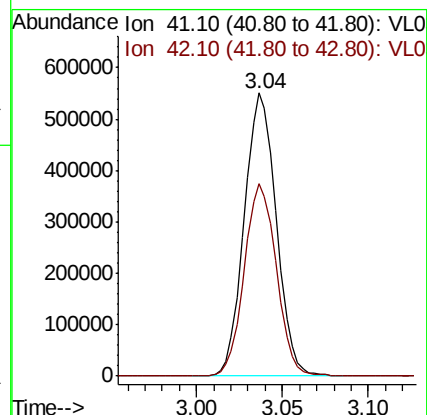
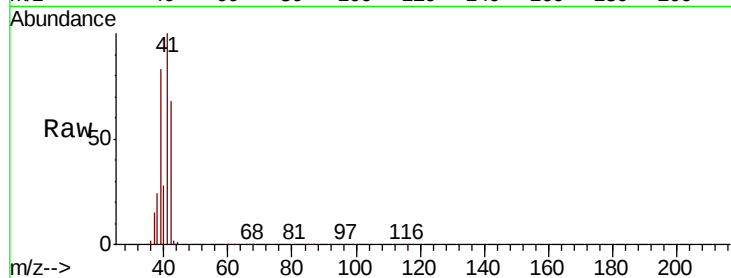
1000

Tgt Ion: 41 Resp: 712086

Ion Ratio Lower Upper

41 100

42 68.4 55.0 82.6



#18

1,1-Dichloroethene

Concen: 14.537 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033181.D

Acq: 6 Feb 2019 17:10

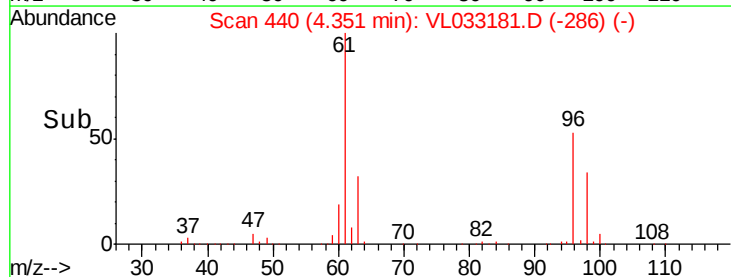
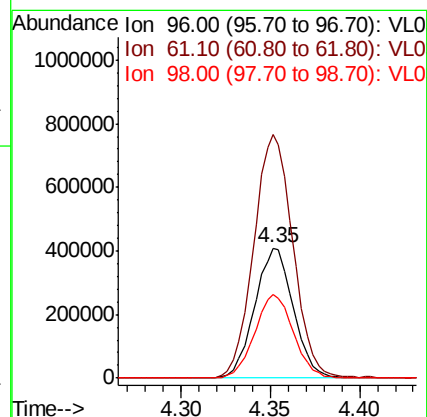
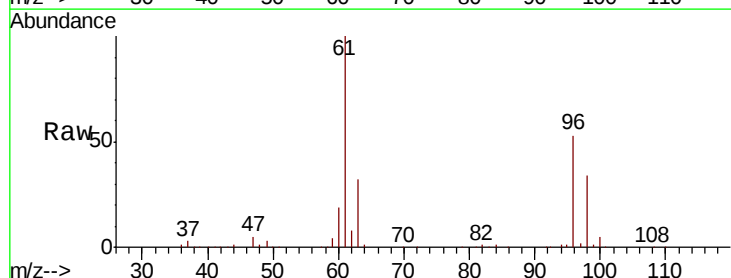
Tgt Ion: 96 Resp: 619014

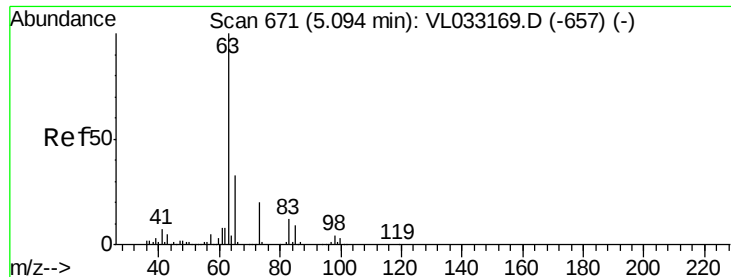
Ion Ratio Lower Upper

96 100

61 187.2 145.0 217.6

98 64.4 50.0 75.0





#24

1,1-Dichloroethane

Concen: 25.550 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.01 min

Lab File: VL033181.D

Acq: 6 Feb 2019 17:10

Instrument :

MSVOA_L

ClientSampleId :

1000

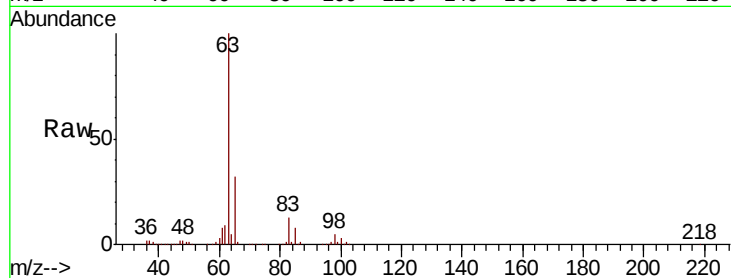
Tgt Ion: 63 Resp: 3129227

Ion Ratio Lower Upper

63 100

98 4.8 2.1 6.5

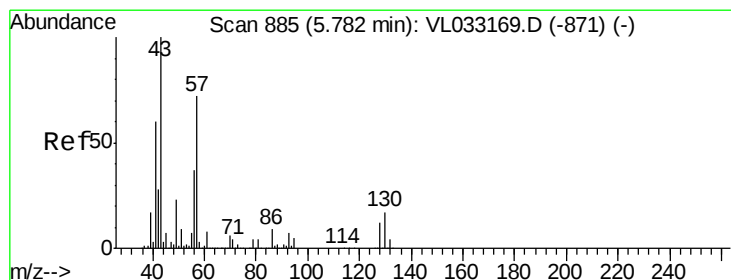
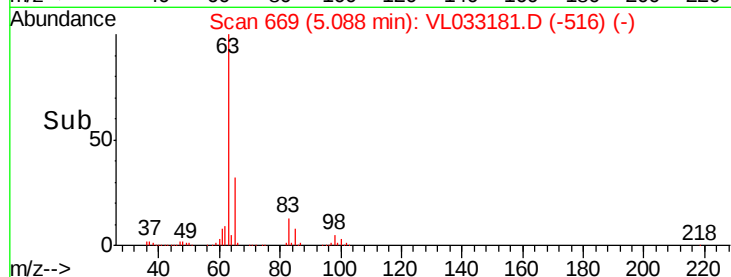
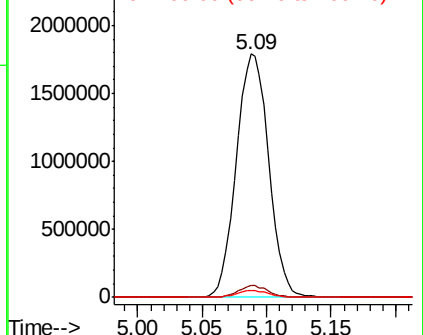
100 2.7 1.4 4.2



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: 26.825 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033181.D

Acq: 6 Feb 2019 17:10

Tgt Ion: 57 Resp: 2828753

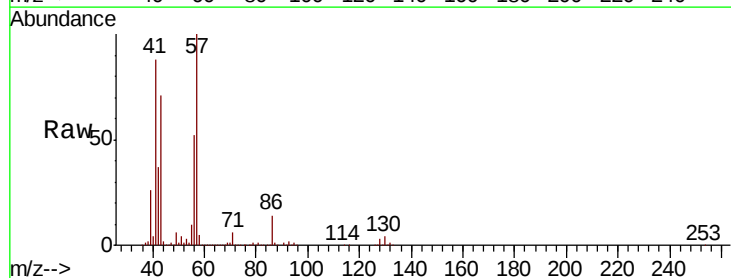
Ion Ratio Lower Upper

57 100

41 88.0 69.4 104.2

43 69.5 176.7 265.1#

56 52.5 41.4 62.0

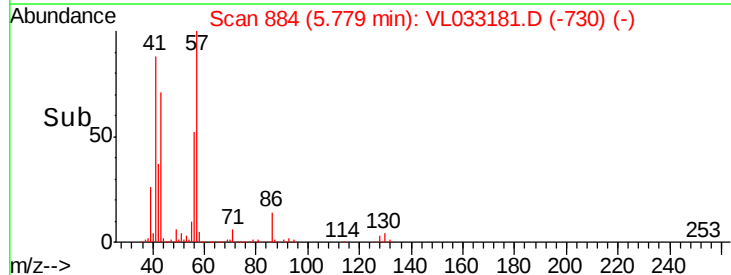
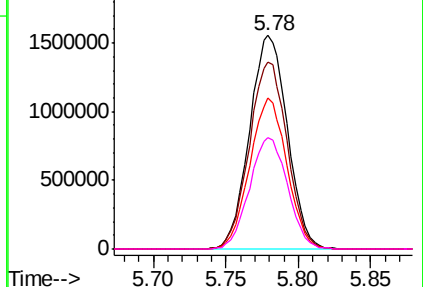


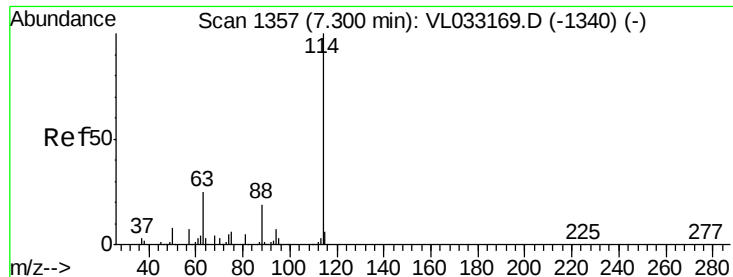
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

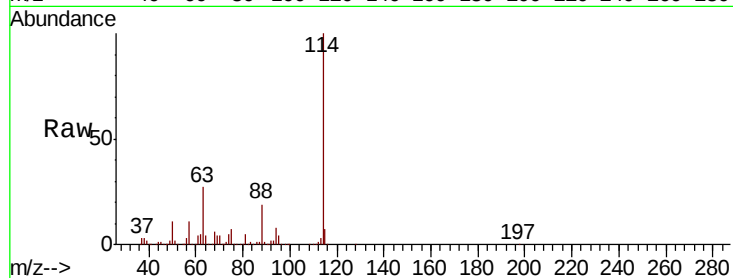




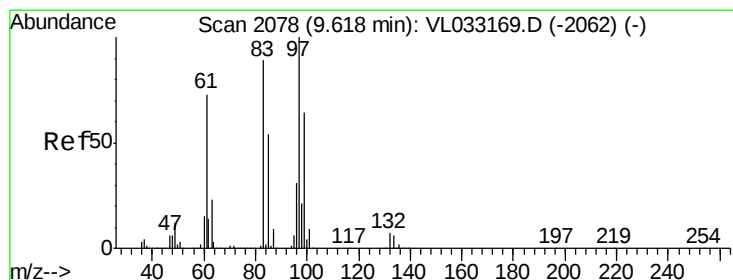
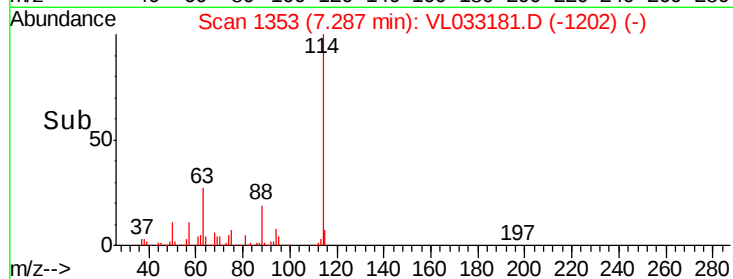
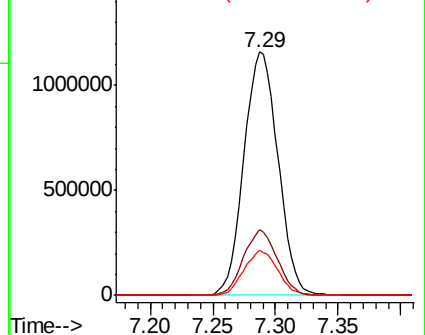
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033181.D
 Acq: 6 Feb 2019 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 1000

Tgt Ion:114 Resp: 2197099
 Ion Ratio Lower Upper
 114 100
 63 26.5 20.8 31.2
 88 18.3 14.6 22.0

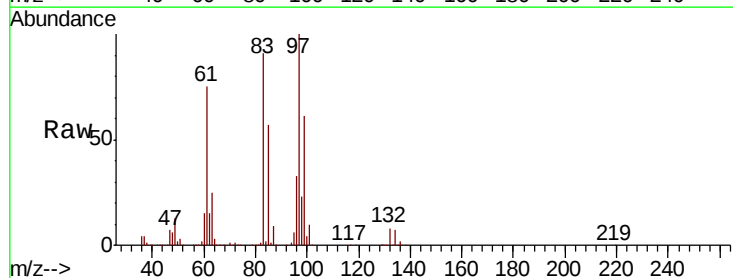


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

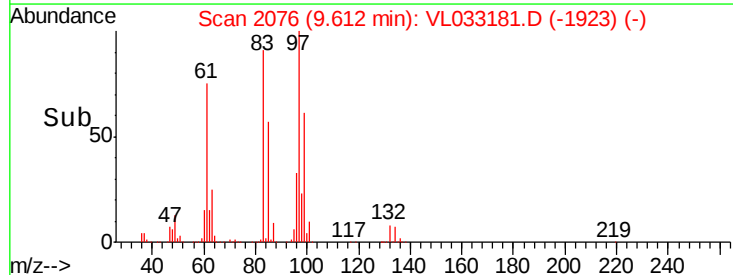
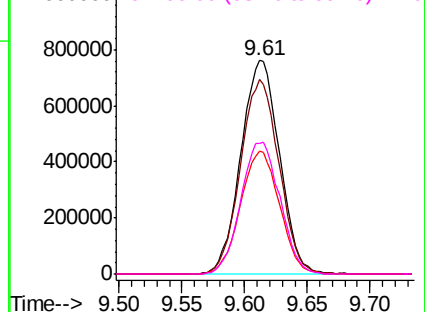


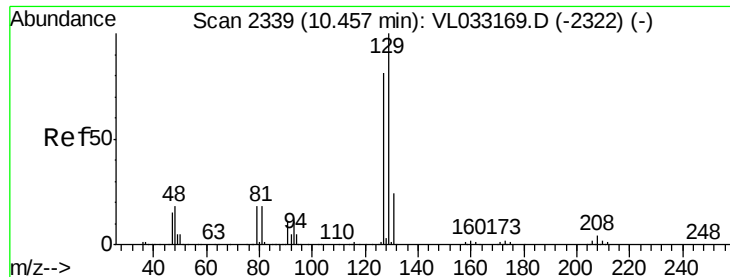
#47
 1,1,2-Trichloroethane
 Concen: 17.897 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.01 min
 Lab File: VL033181.D
 Acq: 6 Feb 2019 17:10

Tgt Ion: 97 Resp: 1632113
 Ion Ratio Lower Upper
 97 100
 83 91.2 71.4 107.2
 85 57.2 43.5 65.3
 99 60.8 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: 16.862 ppbv

RT: 10.45 min Scan# 2336

Delta R.T. -0.01 min

Lab File: VL033181.D

Acq: 6 Feb 2019 17:10

Instrument :

MSVOA_L

ClientSampleId :

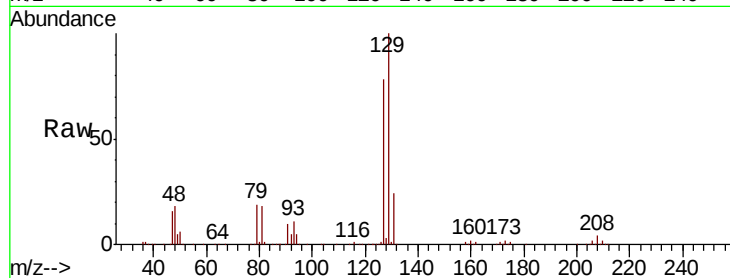
1000

Tgt Ion:129 Resp: 2422637

Ion Ratio Lower Upper

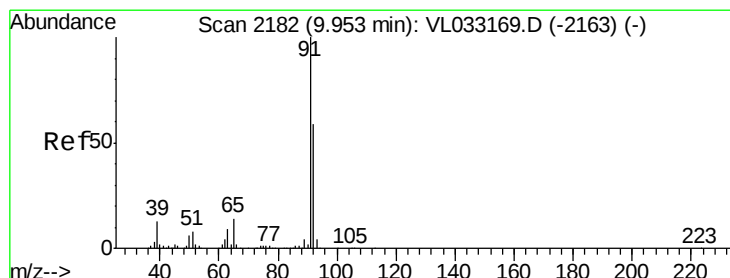
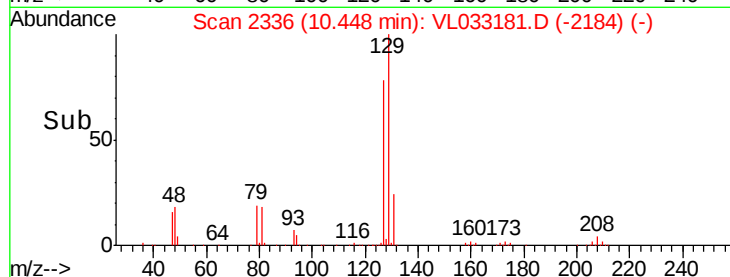
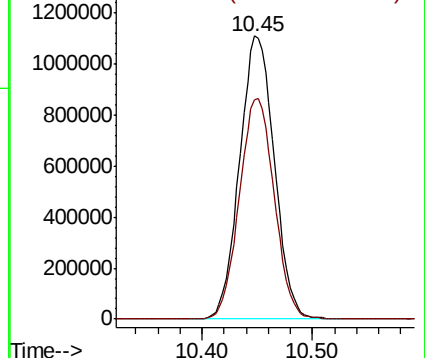
129 100

127 78.5 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: 13.800 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033181.D

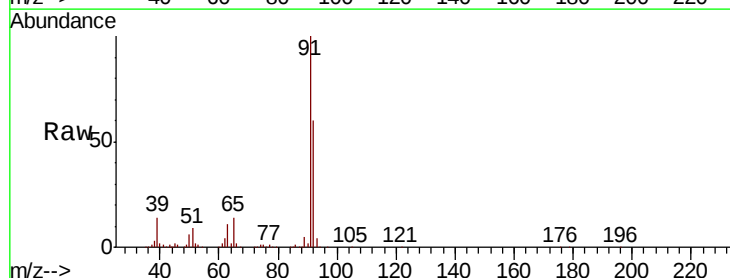
Acq: 6 Feb 2019 17:10

Tgt Ion: 91 Resp: 3638780

Ion Ratio Lower Upper

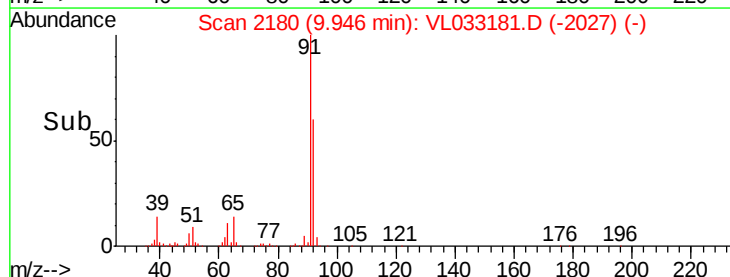
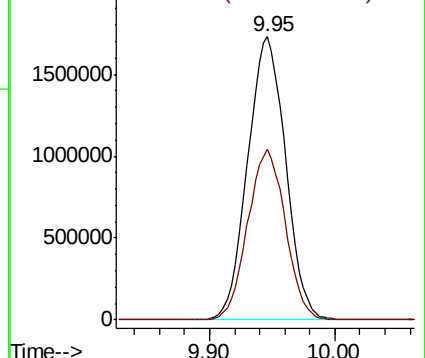
91 100

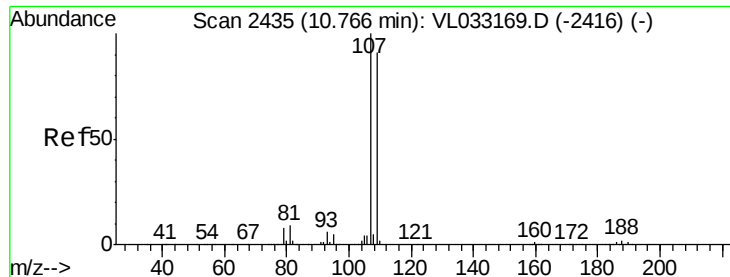
92 59.9 48.0 72.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

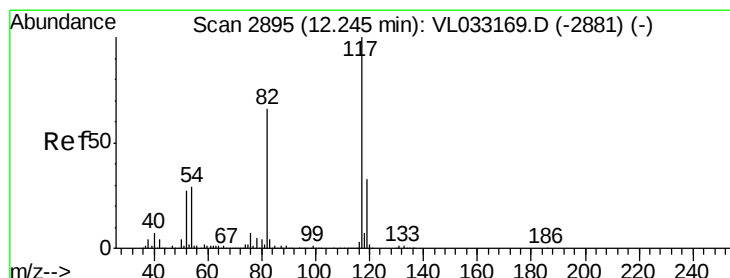
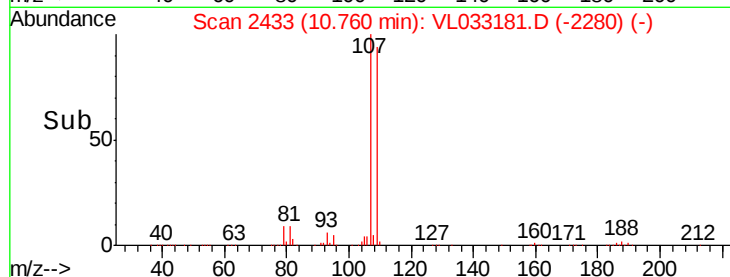
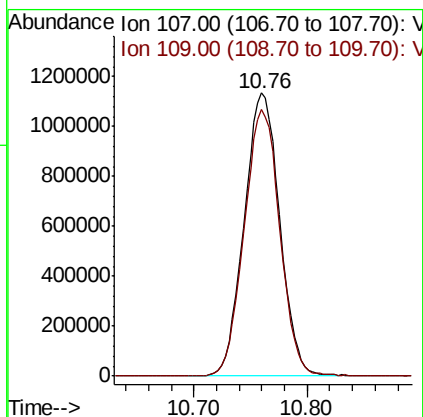
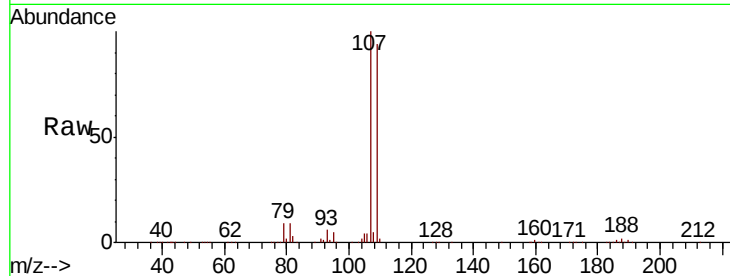




#54
 1,2-Dibromoethane
 Concen: 17.315 ppbv
 RT: 10.76 min Scan# 2433
 Delta R.T. -0.01 min
 Lab File: VL033181.D
 Acq: 6 Feb 2019 17:10

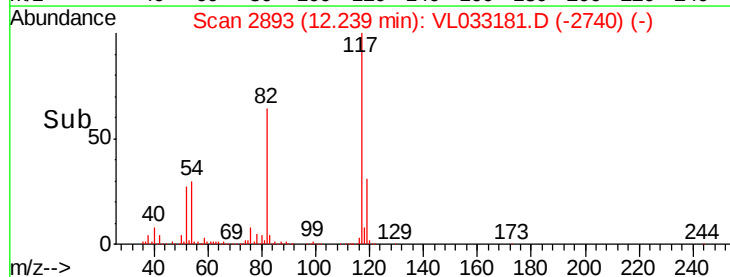
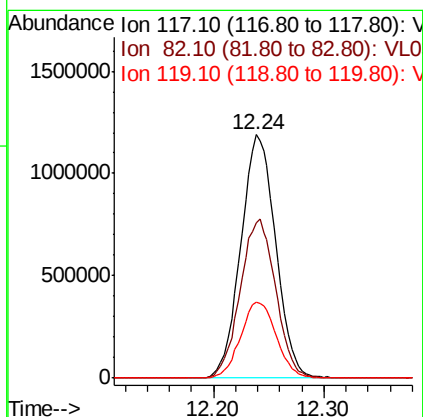
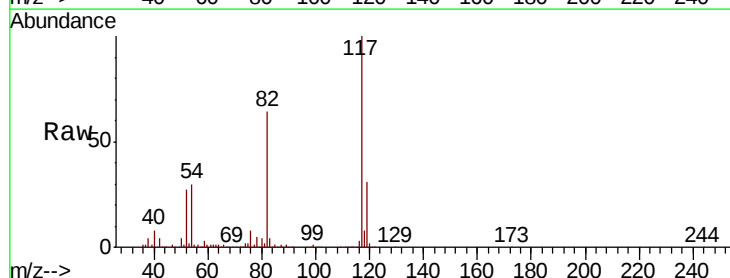
Instrument :
 MSVOA_L
 ClientSampleId :
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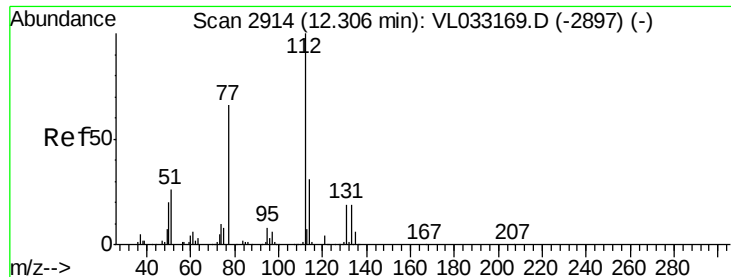
Tgt Ion:107 Resp: 2477961
 Ion Ratio Lower Upper
 107 100
 109 94.2 73.2 109.8



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.24 min Scan# 2893
 Delta R.T. -0.01 min
 Lab File: VL033181.D
 Acq: 6 Feb 2019 17:10

Tgt Ion:117 Resp: 2600113
 Ion Ratio Lower Upper
 117 100
 82 66.5 53.8 80.8
 119 32.2 46.9 70.3#





#57

Chlorobenzene

Concen: 16.545 ppbv

RT: 12.30 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL033181.D

Acq: 6 Feb 2019 17:10

Instrument :

MSVOA_L

ClientSampleId :

1000

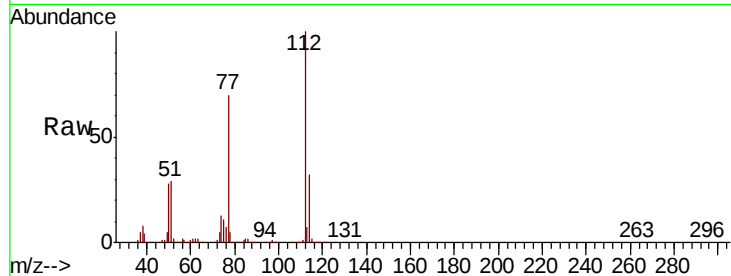
Tgt Ion: 112 Resp: 3806568

Ion Ratio Lower Upper

112 100

77 69.5 54.0 81.0

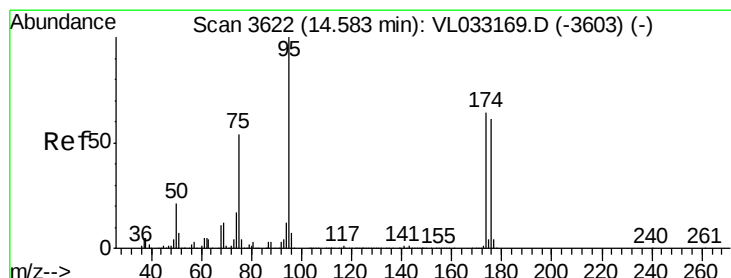
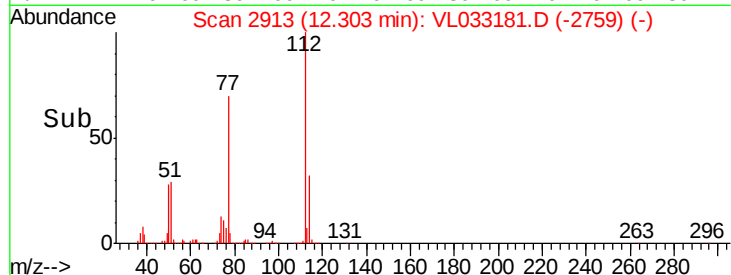
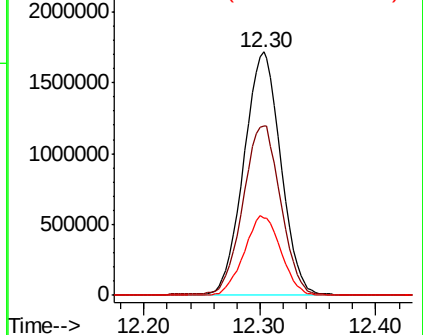
114 31.9 27.9 34.1



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



#68

1-Bromo-4-Fluorobenzene

Concen: 12.567 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.00 min

Lab File: VL033181.D

Acq: 6 Feb 2019 17:10

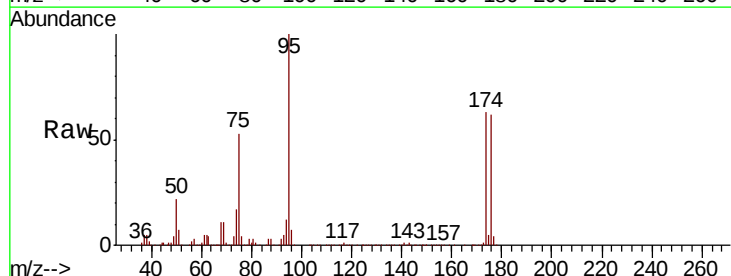
Tgt Ion: 95 Resp: 2546461

Ion Ratio Lower Upper

95 100

174 63.8 51.1 76.7

175 4.6 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

