

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041619\
 Data File : VL033595.D
 Acq On : 16 Apr 2019 16:52
 Operator : SY/AP
 Sample : K2241-13 0.03 PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Quant Time: Apr 17 08:27:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	761547	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1847063	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1902015	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1542150	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

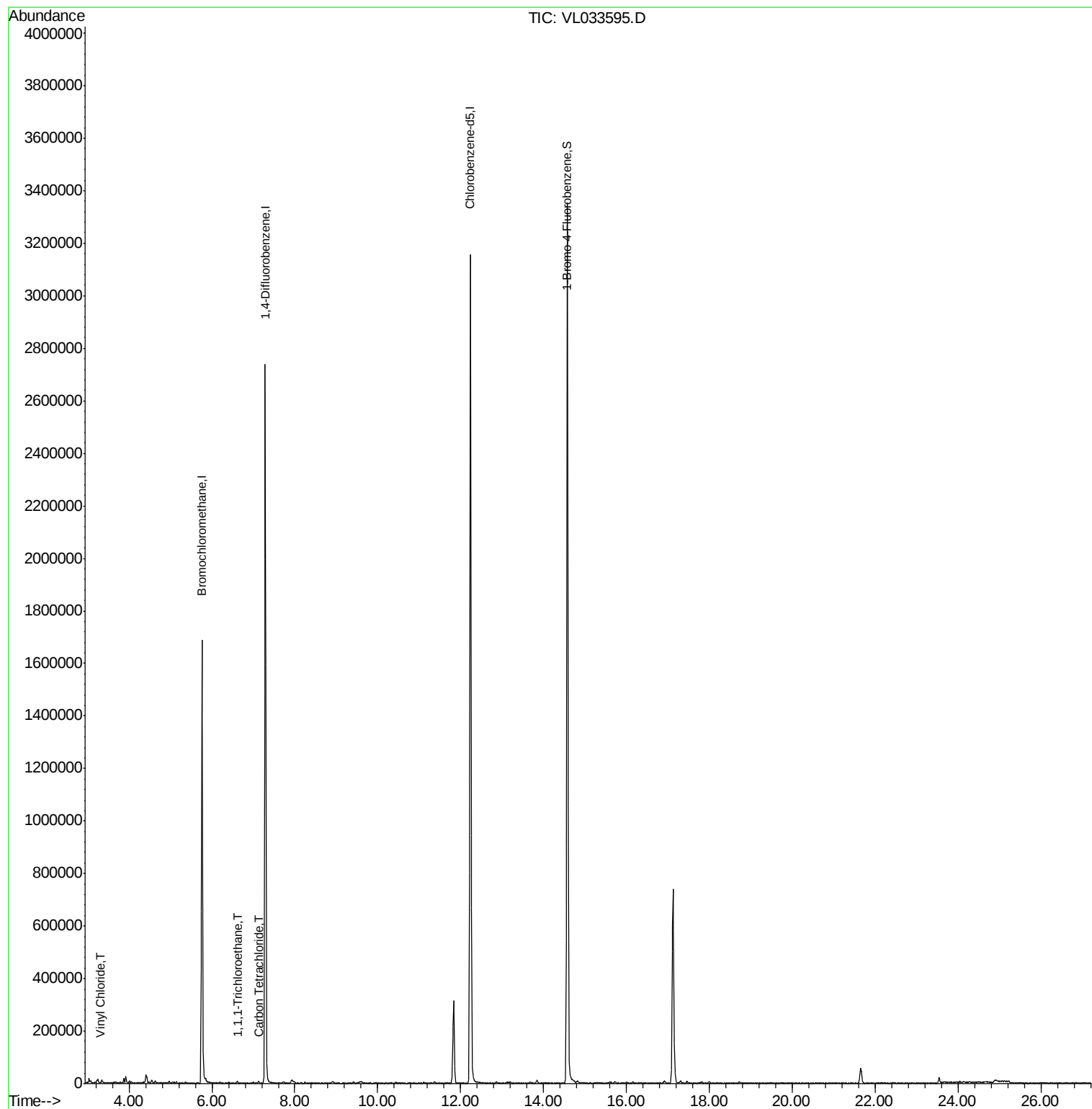
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.30	62	1760m	0.039	ppbv	
32) 1,1,1-Trichloroethane	6.62	97	4079m	0.033	ppbv	
35) Carbon Tetrachloride	7.13	117	3972m	0.030	ppbv	

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

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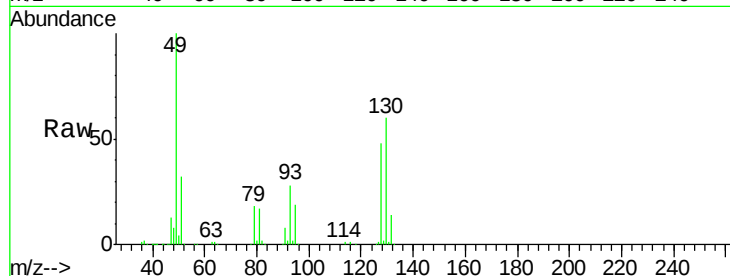
Tot Ion: 49 Resp: 761547

Ion Ratio Lower Upper

49 100

128 49.1 24.0 72.0

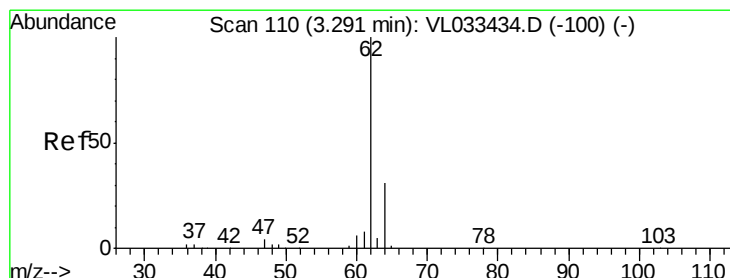
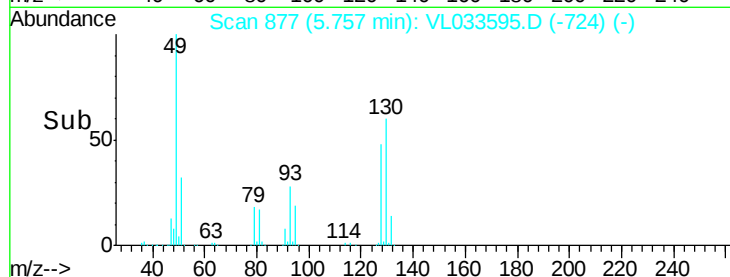
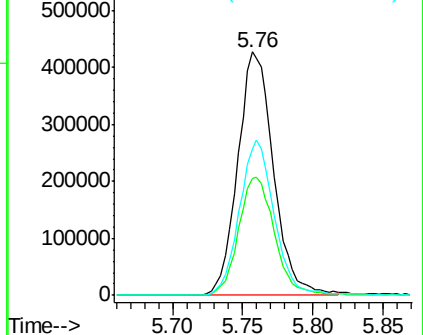
130 62.6 31.2 93.6



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: 0.039 ppbv m

RT: 3.30 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL033595.D

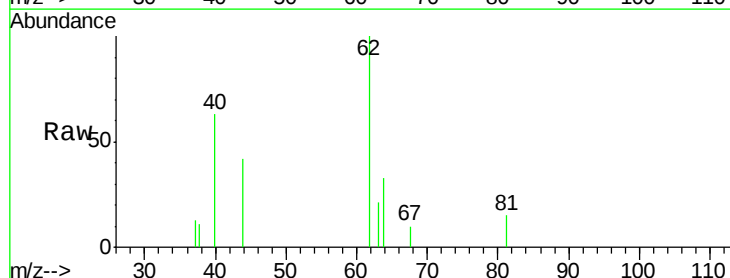
Acq: 16 Apr 2019 16:52

Tgt Ion: 62 Resp: 1760

Ion Ratio Lower Upper

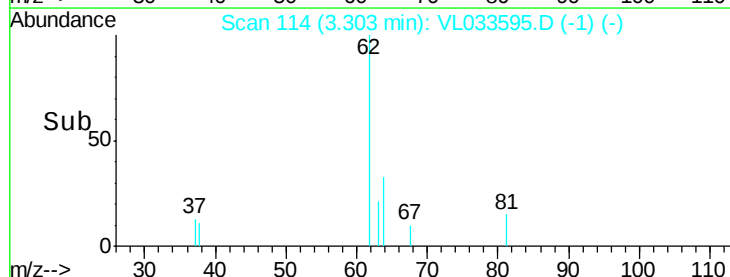
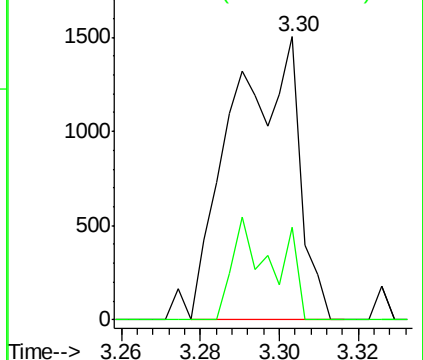
62 100

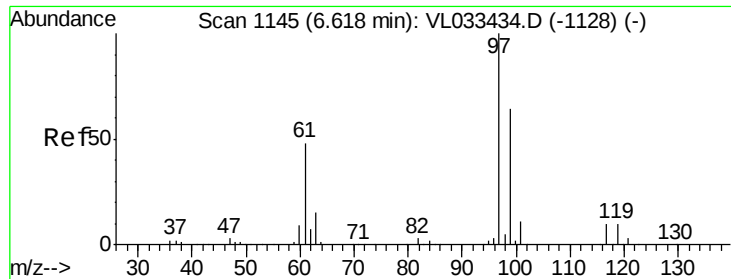
64 32.6 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

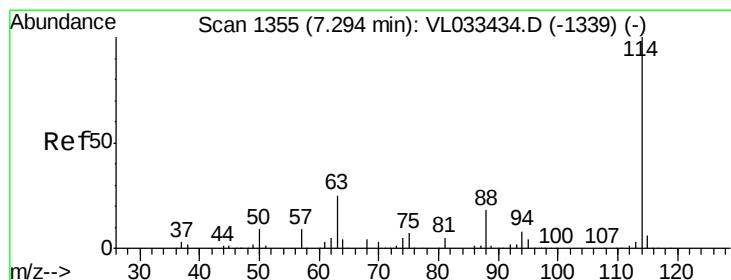
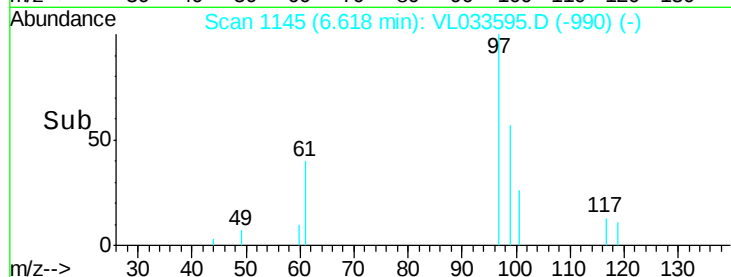
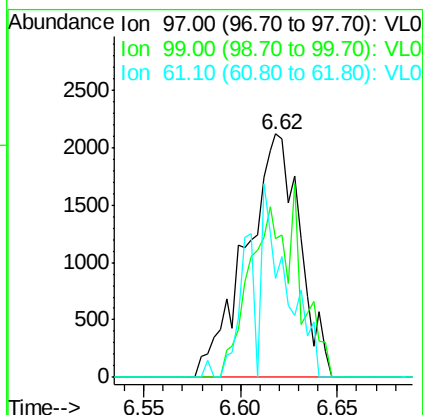
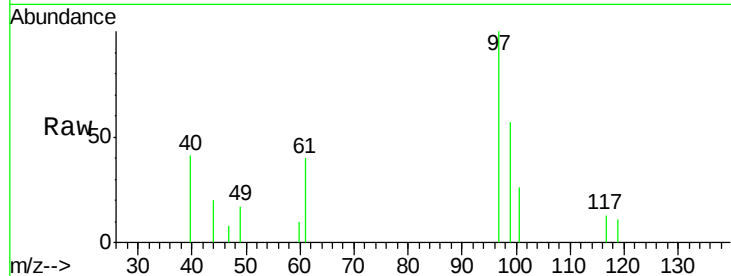




#32
 1,1,1-Trichloroethane
 Concen: 0.033 ppbv m
 RT: 6.62 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VL033595.D
 Acq: 16 Apr 2019 16:52

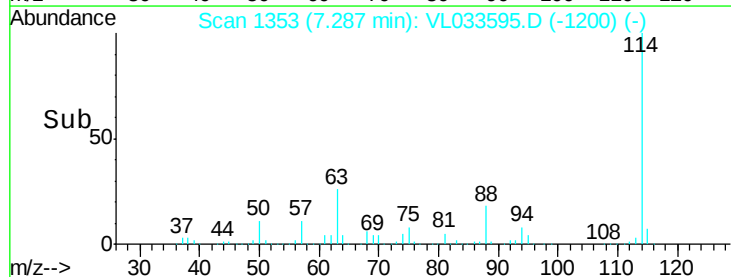
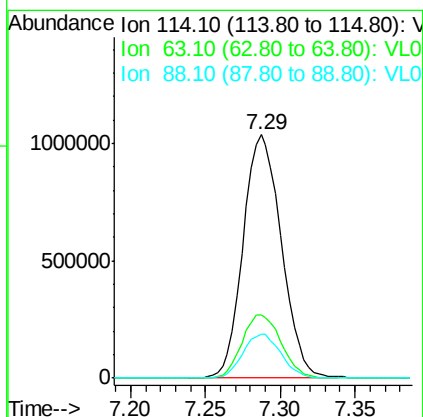
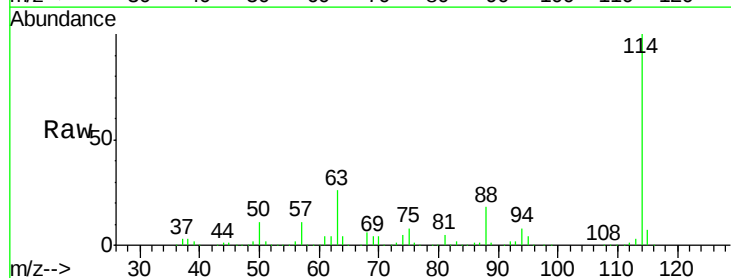
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

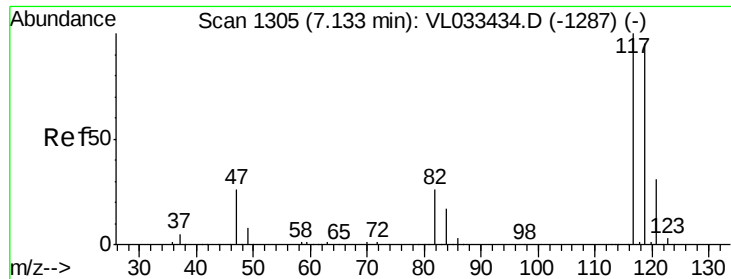
Tot Ion: 97 Resp: 4079
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.5 77.3#
 61 52.9 38.8 58.2



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033595.D
 Acq: 16 Apr 2019 16:52

Tgt Ion: 114 Resp: 1847063
 Ion Ratio Lower Upper
 114 100
 63 26.7 21.5 32.3
 88 18.1 14.5 21.7





#35

Carbon Tetrachloride

Concen: 0.030 ppbv m

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033595.D

Acq: 16 Apr 2019 16:52

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

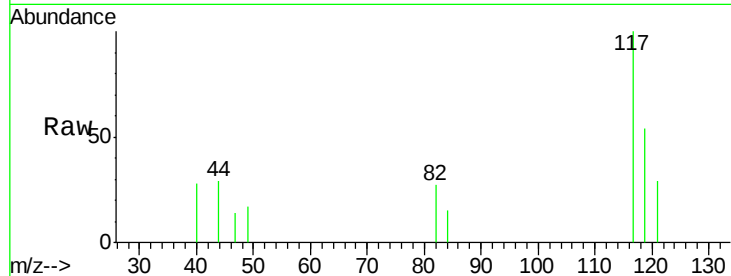
Tot Ion:117 Resp: 3972

Ion Ratio Lower Upper

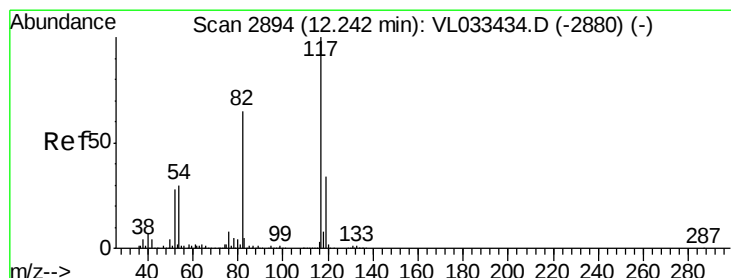
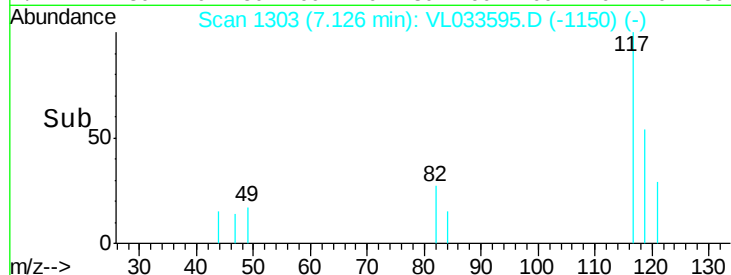
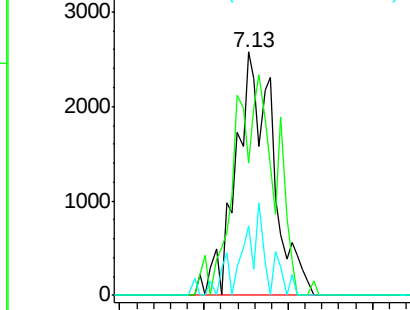
117 100

119 54.1 75.8 113.8#

121 28.6 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL033595.D

Acq: 16 Apr 2019 16:52

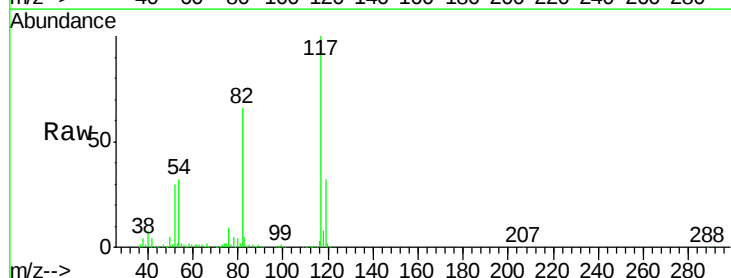
Tgt Ion:117 Resp: 1902015

Ion Ratio Lower Upper

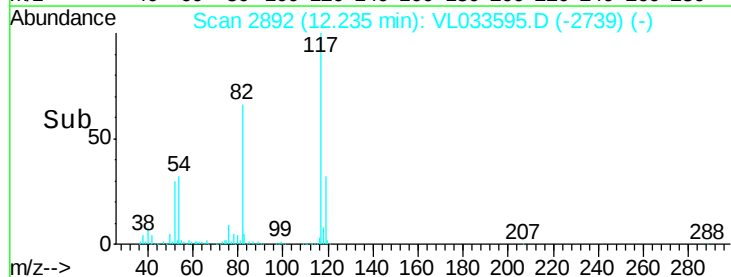
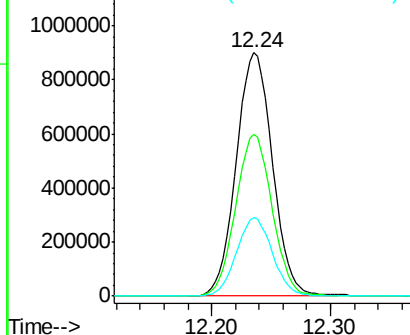
117 100

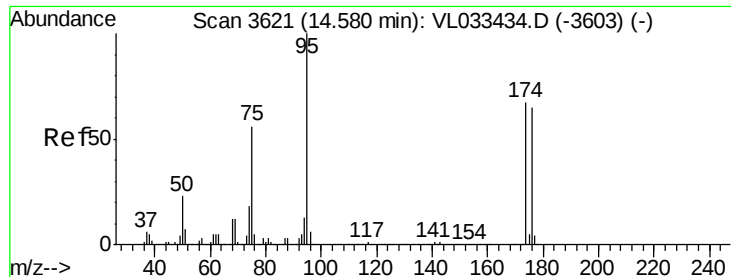
82 67.0 51.5 77.3

119 32.0 25.5 38.3



Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.342 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033595.D

Acq: 16 Apr 2019 16:52

Instrument :

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ClientSampleId :

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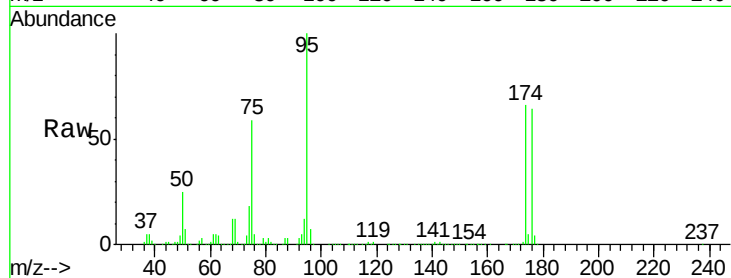
Tot Ion: 95 Resp: 1542150

Ion Ratio Lower Upper

95 100

174 66.2 52.9 79.3

175 4.8 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

