

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033204.D
 Acq On : 14 Feb 2019 18:57
 Operator : SY/AP
 Sample : K1483-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 20 08:36:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	971288	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2178689	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	2201873	10.00	ppbv	0.00

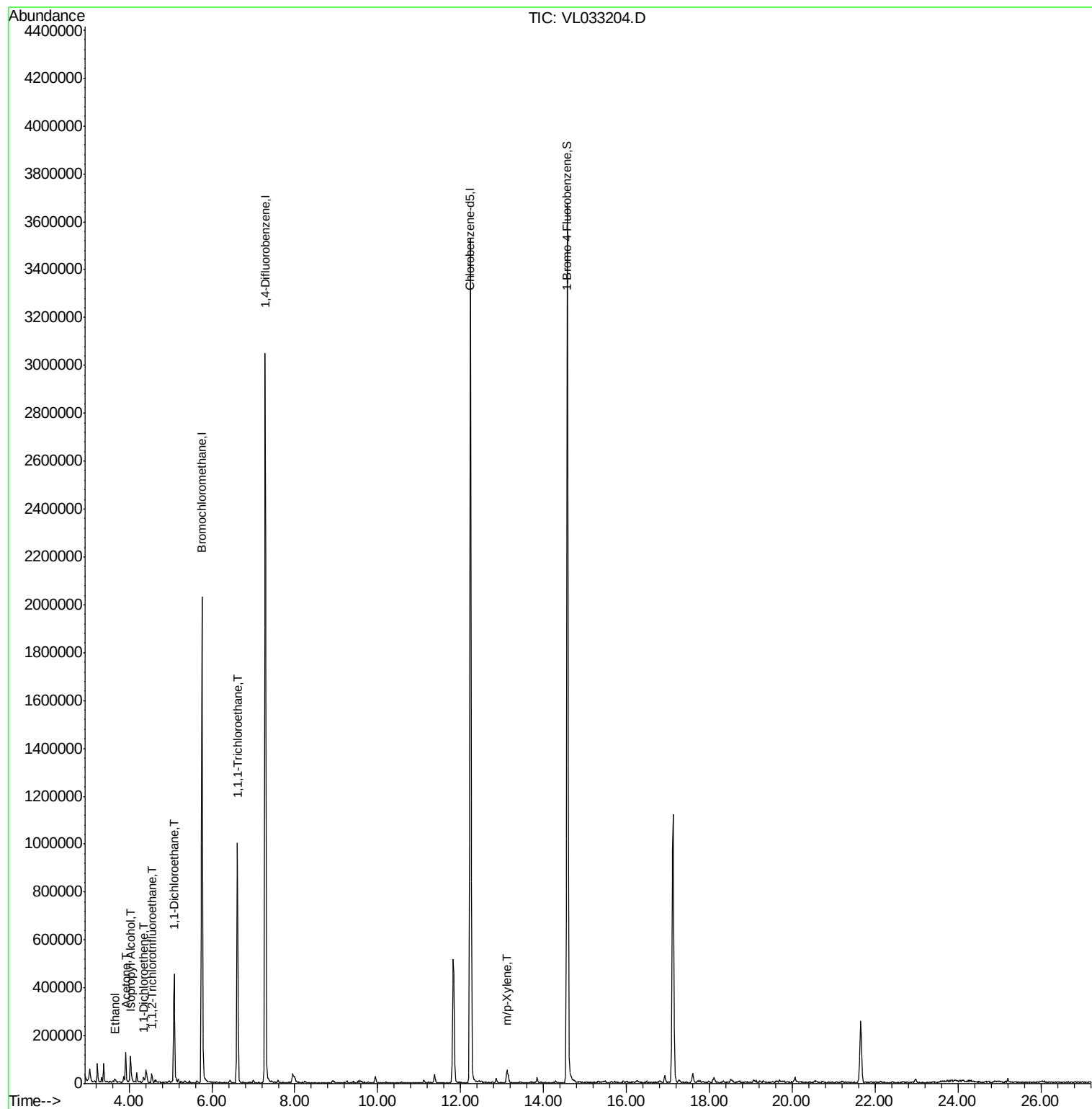
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1783289	10.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

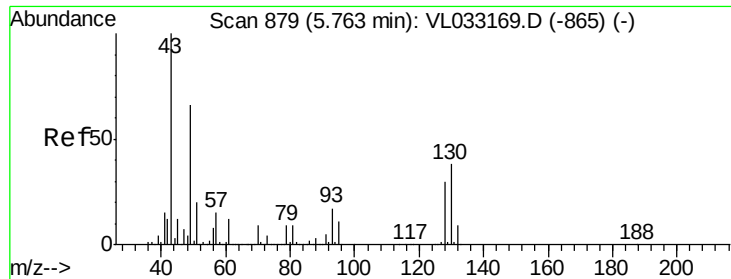
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1,2-Trichlorotrifluoroet	4.55	101	12740m	0.122	ppbv	
13) Ethanol	3.66	45	11816m	0.615	ppbv	
15) Acetone	3.91	43	82725	0.756	ppbv	# 87
18) 1,1-Dichloroethene	4.35	96	4993m	0.107	ppbv	
19) Isopropyl Alcohol	4.04	45	115310m	1.554	ppbv	
24) 1,1-Dichloroethane	5.08	63	378899	2.825	ppbv	99
32) 1,1,1-Trichloroethane	6.61	97	613900	3.150	ppbv	97
59) m/p-Xylene	13.12	91	53878m	0.179	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

Lab File: VL033204.D

Acq: 14 Feb 2019 18:57

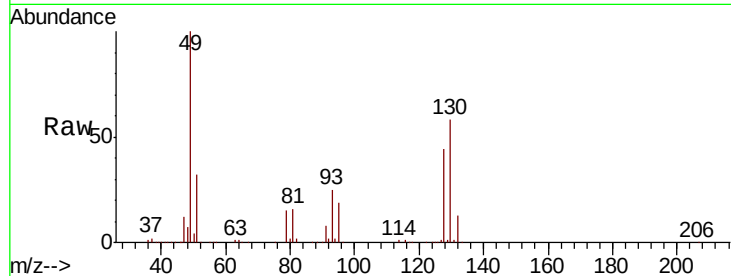
Tot Ion: 49 Resp: 971288

Ion Ratio Lower Upper

49 100

128 45.5 23.6 71.0

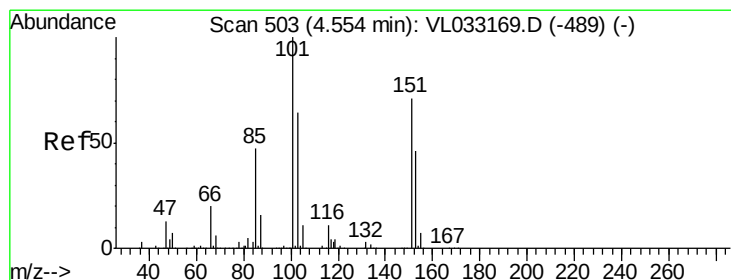
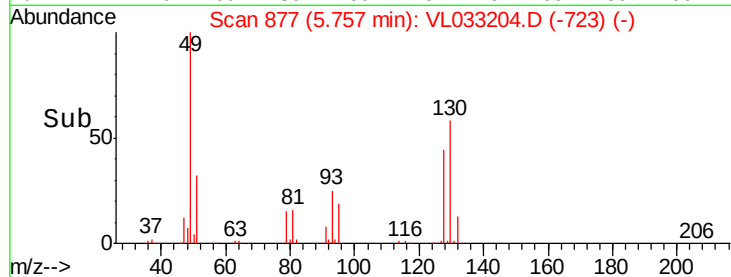
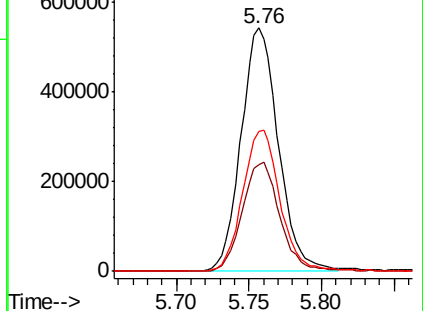
130 58.7 30.3 91.0



Abundance Ion 49.10 (48.80 to 49.80): VL033169.D (-865) (-)

Ion 128.00 (127.70 to 128.70): VL033169.D (-865) (-)

Ion 130.00 (129.70 to 130.70): VL033169.D (-865) (-)



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.122 ppbv m

RT: 4.55 min Scan# 501

Delta R.T. -0.01 min

Lab File: VL033204.D

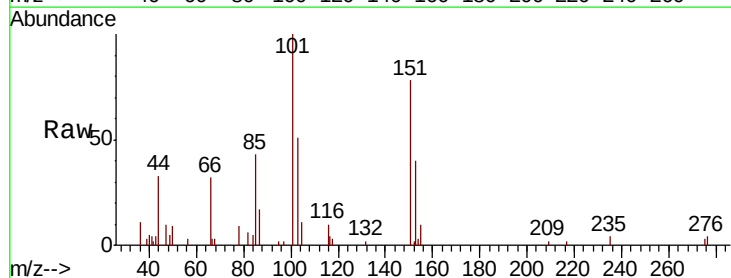
Acq: 14 Feb 2019 18:57

Tgt Ion:101 Resp: 12740

Ion Ratio Lower Upper

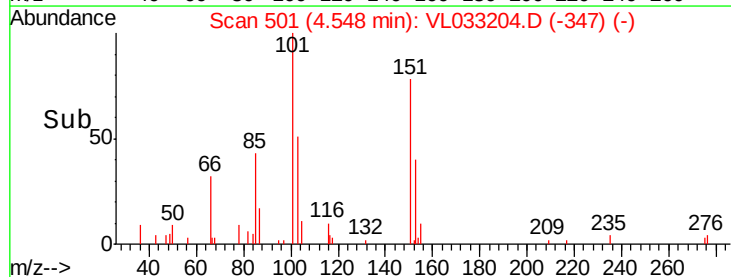
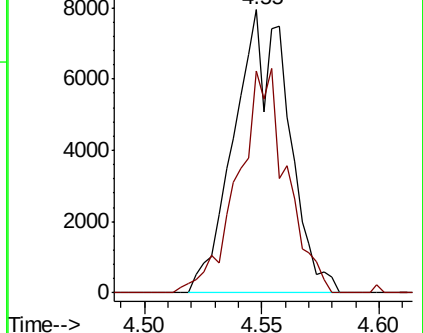
101 100

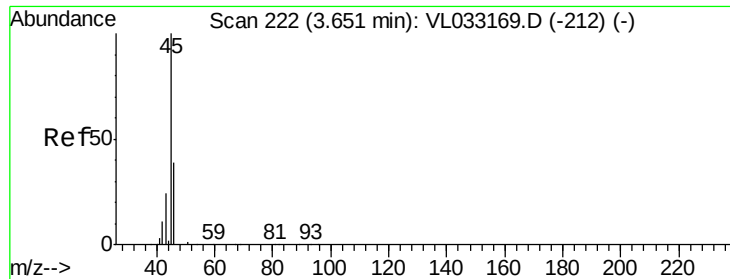
151 0.0 57.4 86.0#



Abundance Ion 101.00 (100.70 to 101.70): VL033169.D (-489) (-)

Ion 151.00 (150.70 to 151.70): VL033169.D (-489) (-)





#13

Ethanol

Concen: 0.615 ppbv m

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033204.D

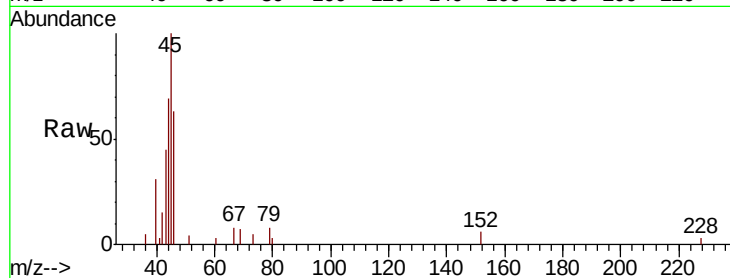
Acq: 14 Feb 2019 18:57

Tot Ion: 45 Resp: 11816

Ion Ratio Lower Upper

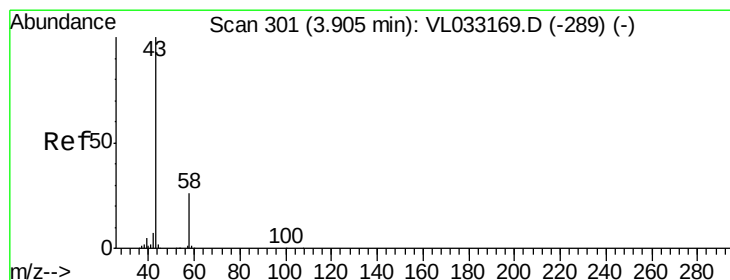
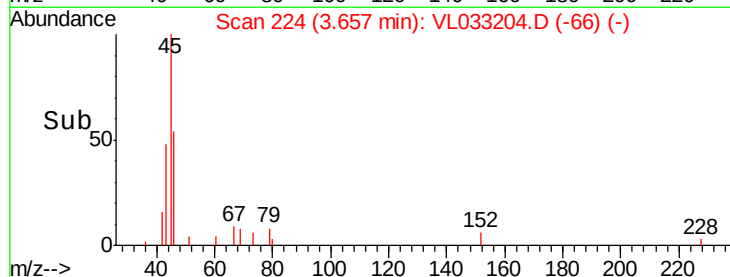
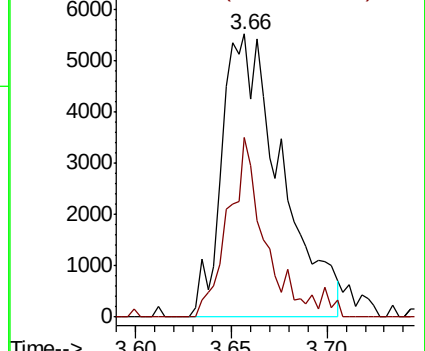
45 100

46 40.9 15.0 60.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.756 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.01 min

Lab File: VL033204.D

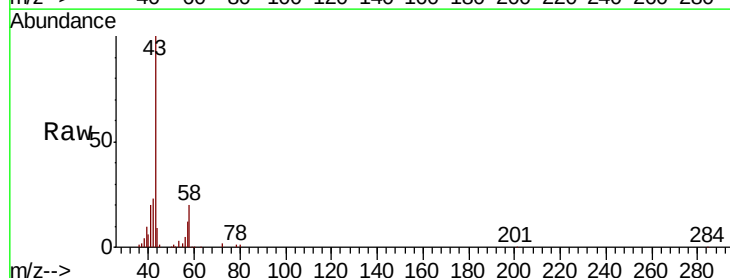
Acq: 14 Feb 2019 18:57

Tgt Ion: 43 Resp: 82725

Ion Ratio Lower Upper

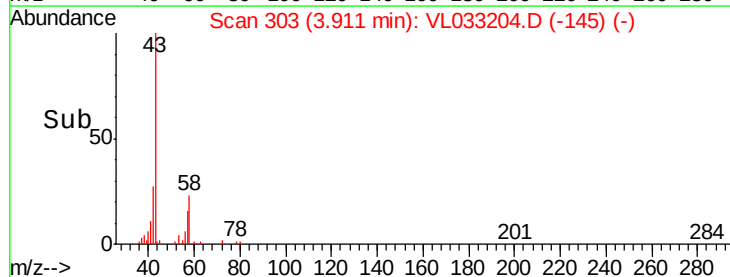
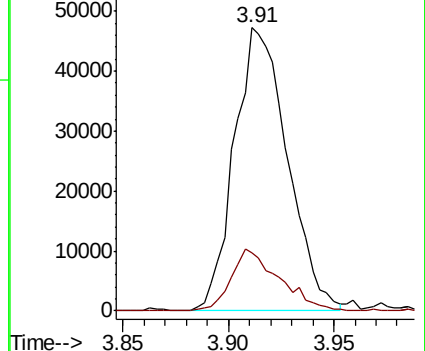
43 100

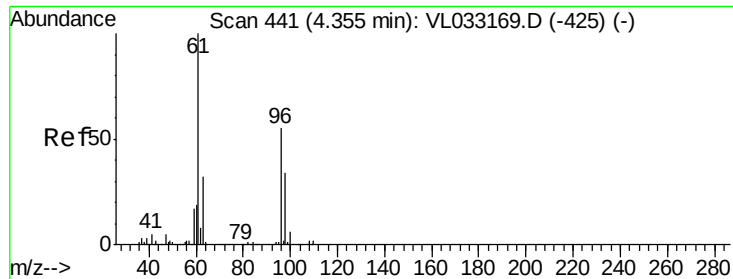
58 20.0 21.1 31.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

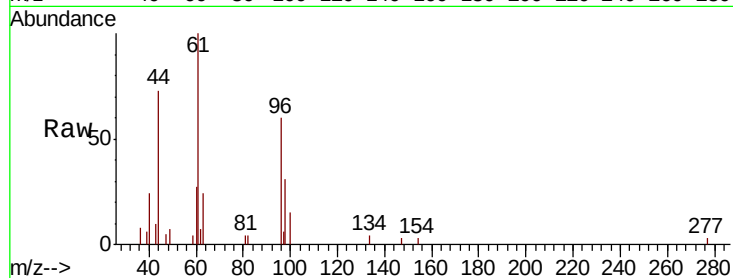
Ion 58.10 (57.80 to 58.80): VL0



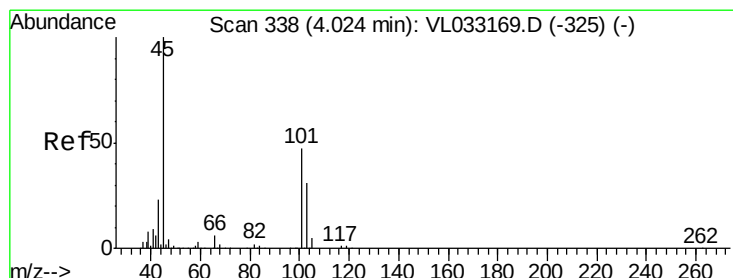
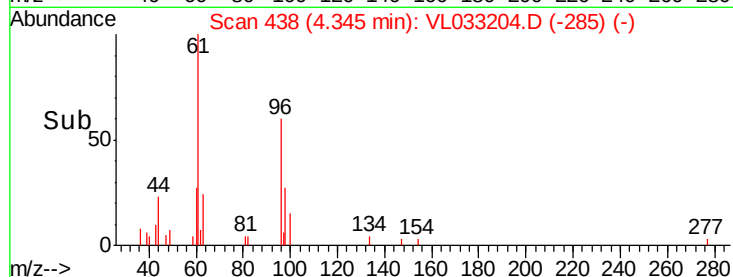
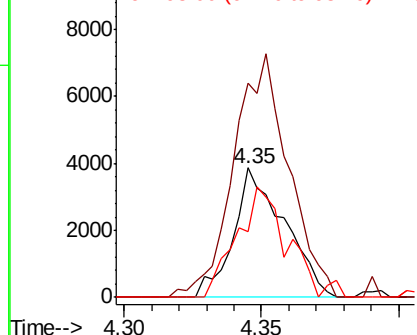


#18
 1,1-Dichloroethene
 Concen: 0.107 ppbv m
 RT: 4.35 min Scan# 438
 Delta R.T. -0.01 min
 Lab File: VL033204.D
 Acq: 14 Feb 2019 18:57

Tot Ion: 96 Resp: 4993
 Ion Ratio Lower Upper
 96 100
 61 165.9 145.0 217.6
 98 51.2 50.0 75.0

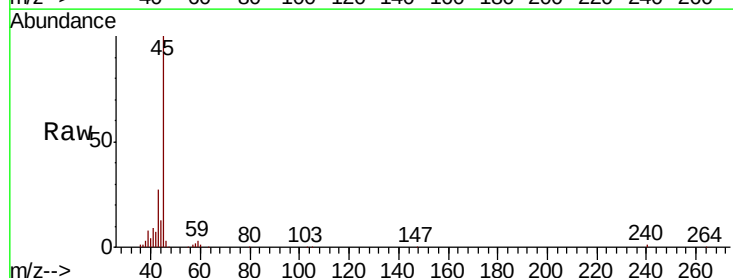


Abundance Ion 96.00 (95.70 to 96.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0

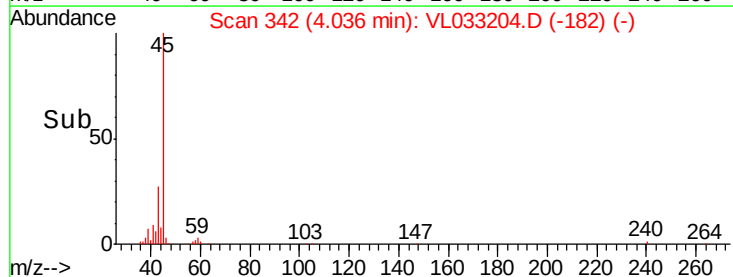
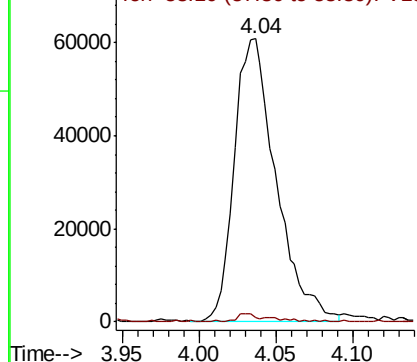


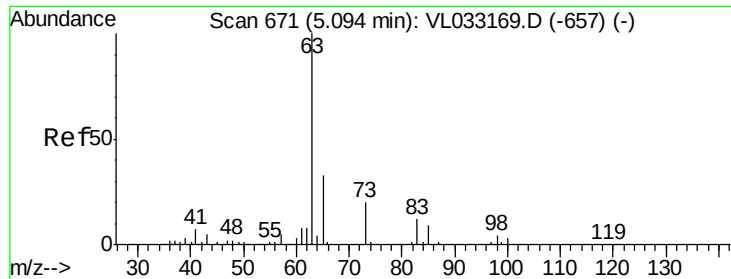
#19
 Isopropyl Alcohol
 Concen: 1.554 ppbv m
 RT: 4.04 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VL033204.D
 Acq: 14 Feb 2019 18:57

Tgt Ion: 45 Resp: 115310
 Ion Ratio Lower Upper
 45 100
 58 2.6 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0





#24

1,1-Dichloroethane

Concen: 2.825 ppbv

RT: 5.08 min Scan# 668

Delta R.T. -0.01 min

Lab File: VL033204.D

Acq: 14 Feb 2019 18:57

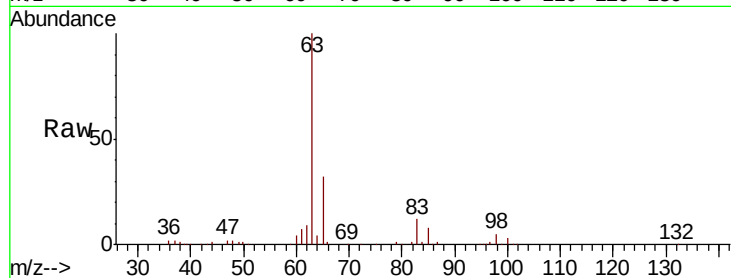
Tot Ion: 63 Resp: 378899

Ion Ratio Lower Upper

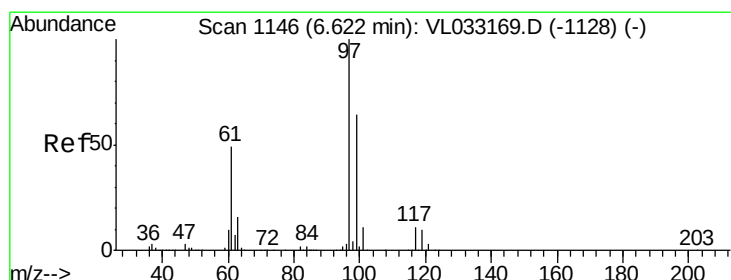
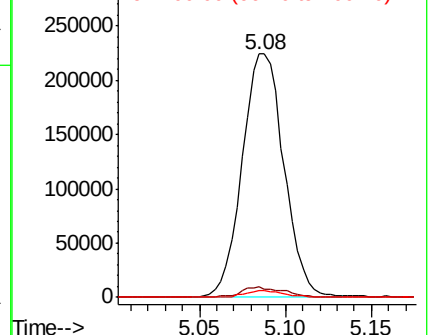
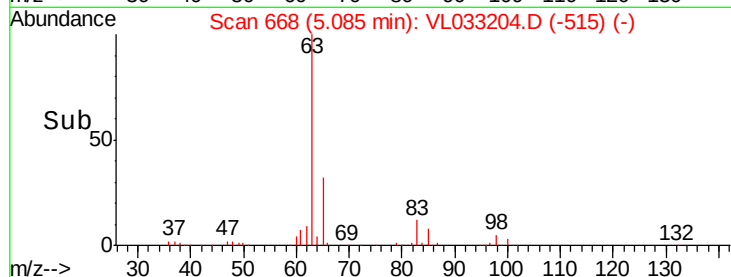
63 100

98 4.6 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



#32

1,1,1-Trichloroethane

Concen: 3.150 ppbv

RT: 6.61 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VL033204.D

Acq: 14 Feb 2019 18:57

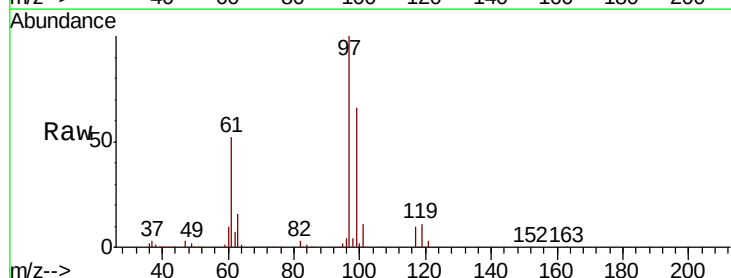
Tgt Ion: 97 Resp: 613900

Ion Ratio Lower Upper

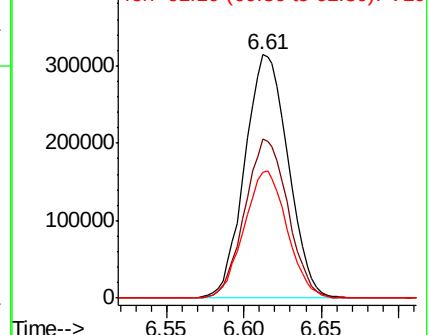
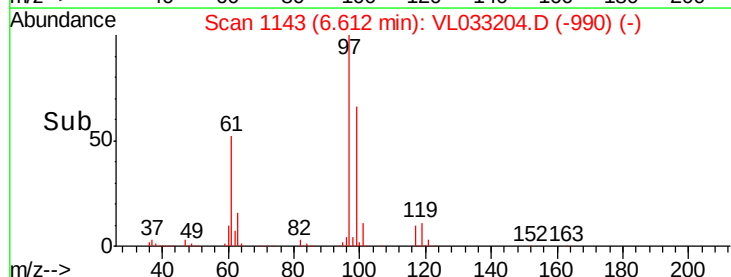
97 100

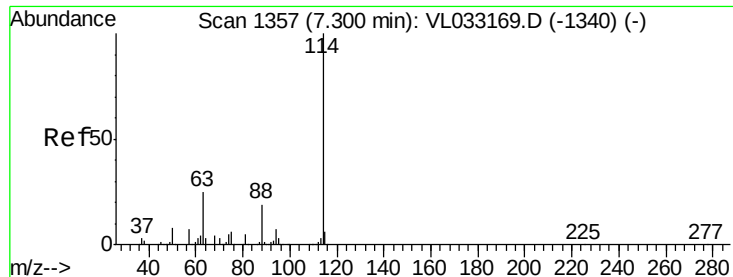
99 65.0 51.4 77.2

61 52.0 38.8 58.2



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033204.D

Acq: 14 Feb 2019 18:57

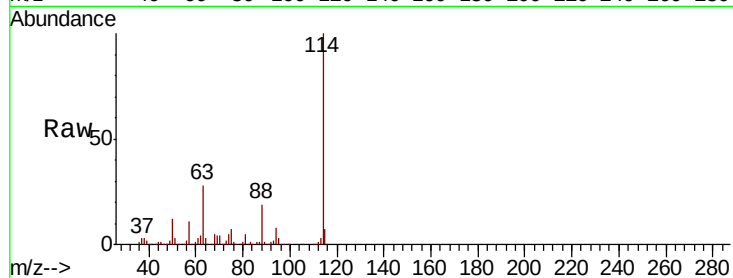
Tot Ion:114 Resp: 2178689

Ion Ratio Lower Upper

114 100

63 27.2 20.8 31.2

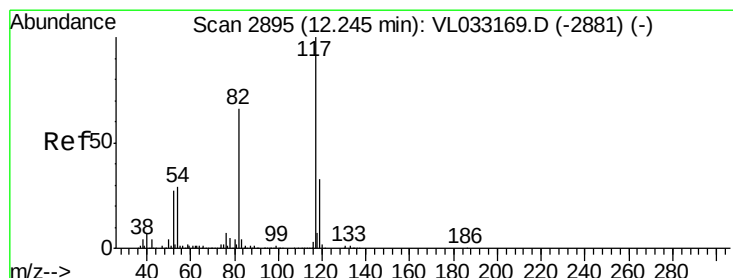
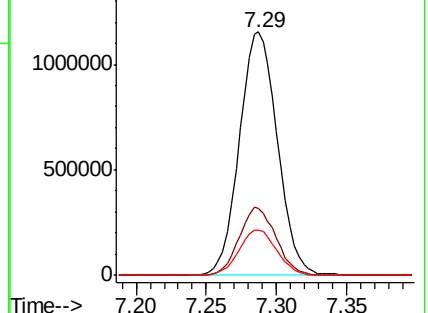
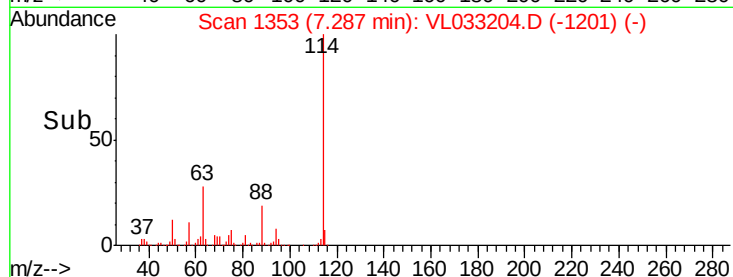
88 18.7 14.6 22.0



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL033204.D

Acq: 14 Feb 2019 18:57

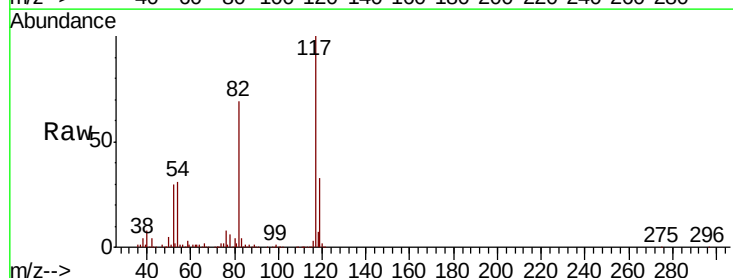
Tgt Ion:117 Resp: 2201873

Ion Ratio Lower Upper

117 100

82 67.6 53.8 80.8

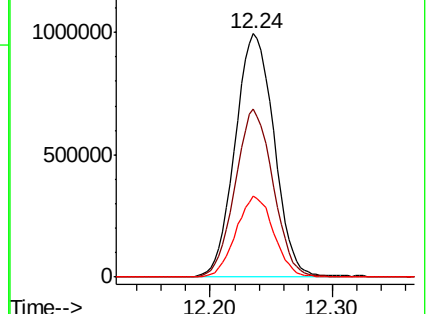
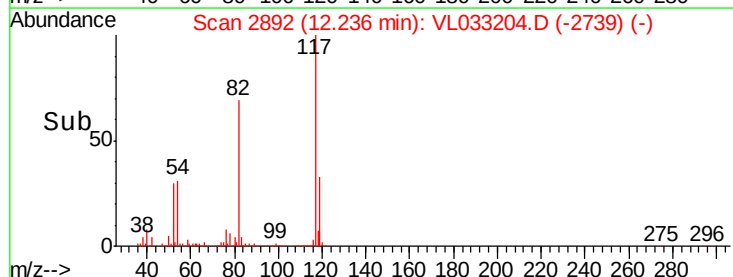
119 32.6 46.9 70.3#

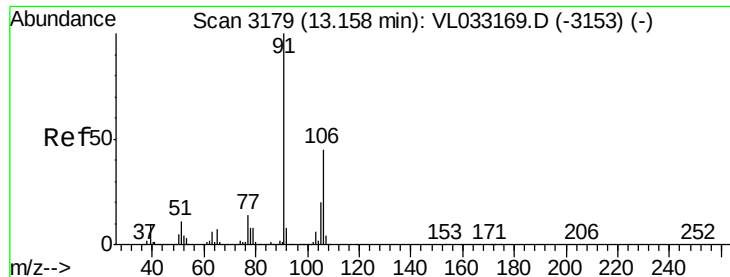


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

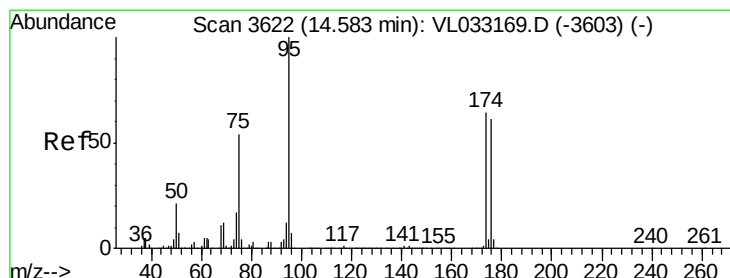
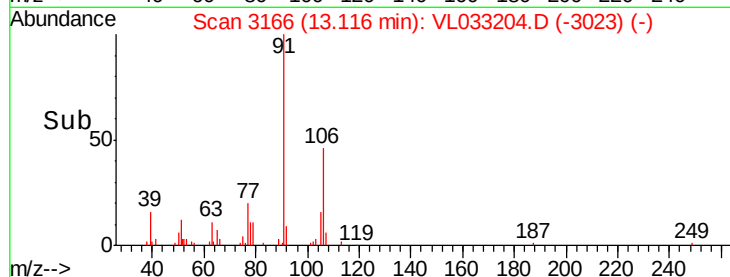
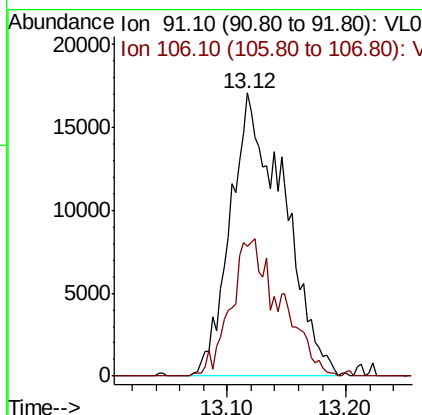
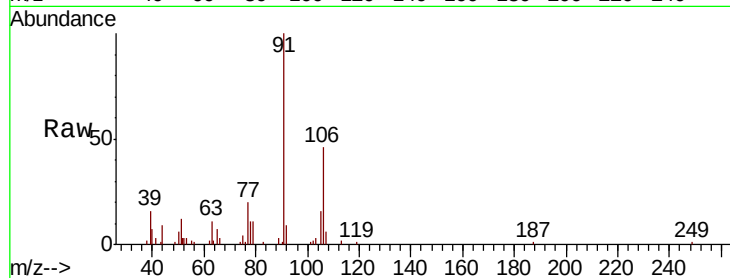
Ion 119.10 (118.80 to 119.80): V





#59
m/p-Xylene
Concen: 0.179 ppbv m
RT: 13.12 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL033204.D
Acq: 14 Feb 2019 18:57

Tot Ion: 91 Resp: 53878
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.393 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033204.D
Acq: 14 Feb 2019 18:57

Tgt Ion: 95 Resp: 1783289
Ion Ratio Lower Upper
95 100
174 63.3 51.1 76.7
175 4.6 3.8 5.6

