

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033227.D
 Acq On : 15 Feb 2019 11:41
 Operator : SY/AP
 Sample : K1483-05DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 21 02:37:55 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	811843	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1797814	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	1859967	10.00	ppbv	0.00

System Monitoring Compounds

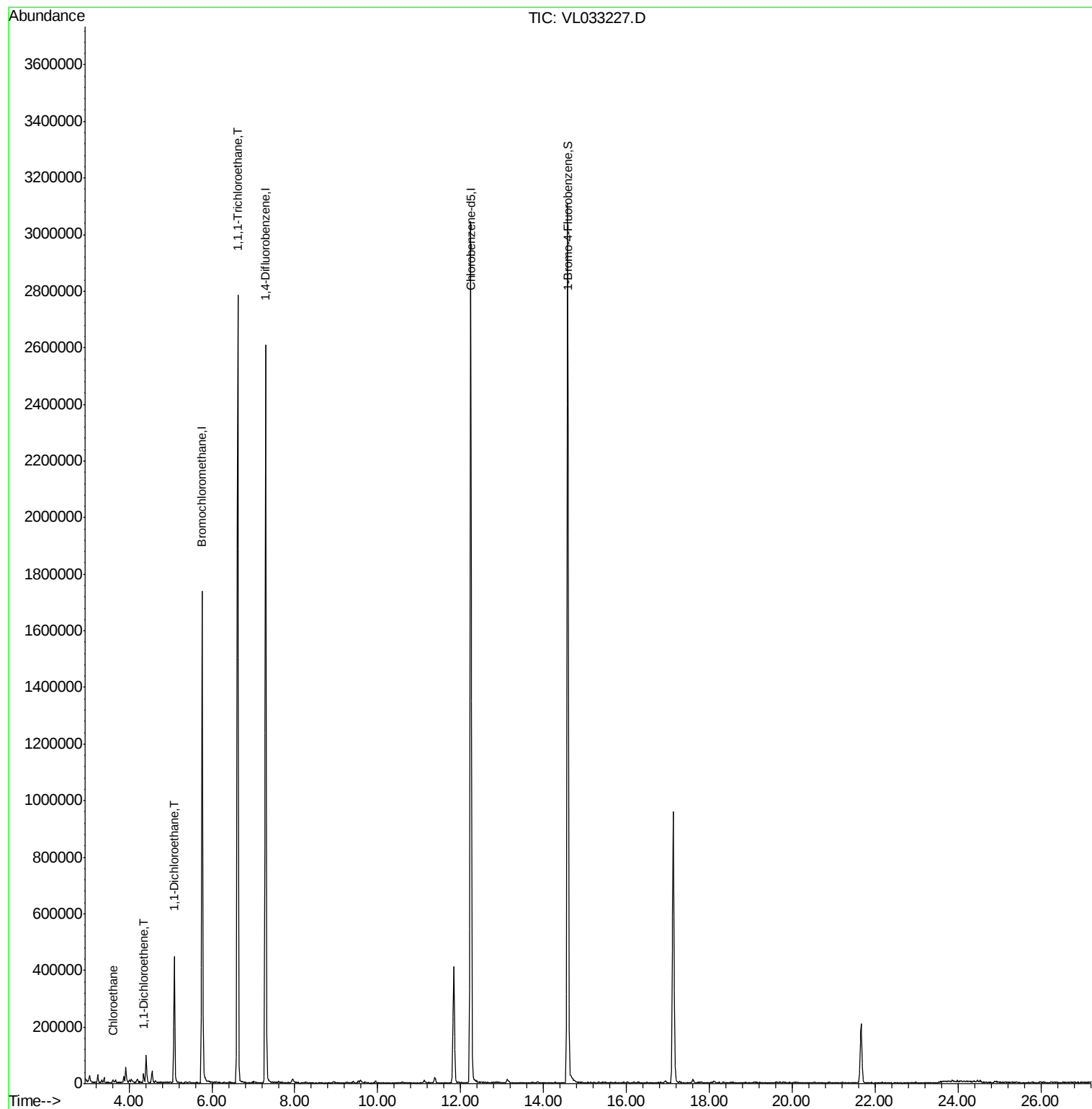
68) 1-Bromo-4-Fluorobenzene	14.58	95	1473290	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

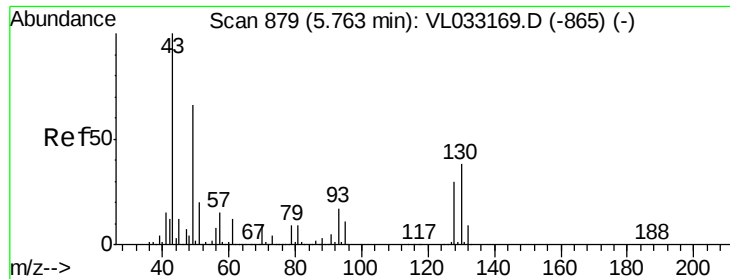
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Chloroethane	3.61	64	5134	0.291	ppbv	# 79
18) 1,1-Dichloroethene	4.35	96	7788	0.200	ppbv	95
24) 1,1-Dichloroethane	5.09	63	356428	3.179	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1729575	10.617	ppbv	98

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033227.D

Acq: 15 Feb 2019 11:41

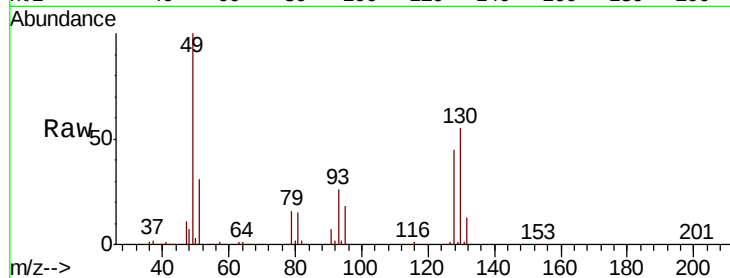
Tot Ion: 49 Resp: 811843

Ion Ratio Lower Upper

49 100

128 45.4 23.6 71.0

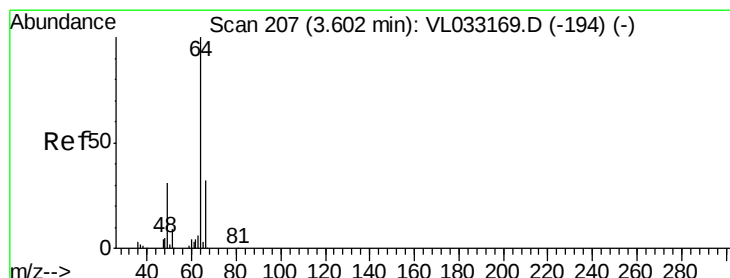
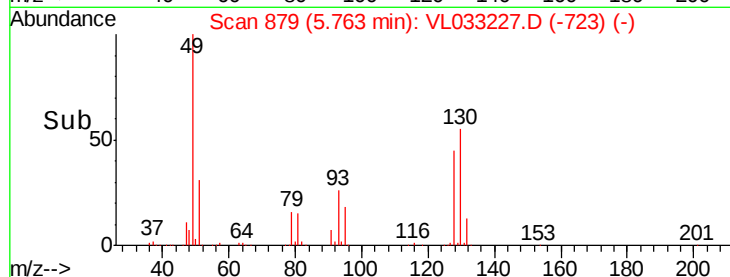
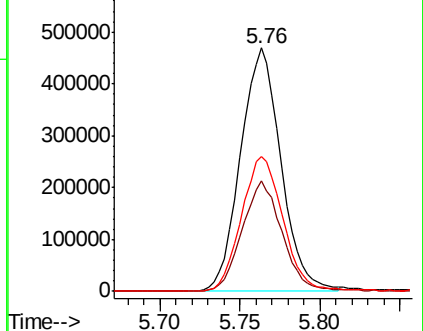
130 57.9 30.3 91.0



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



#7

Chloroethane

Concen: 0.291 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL033227.D

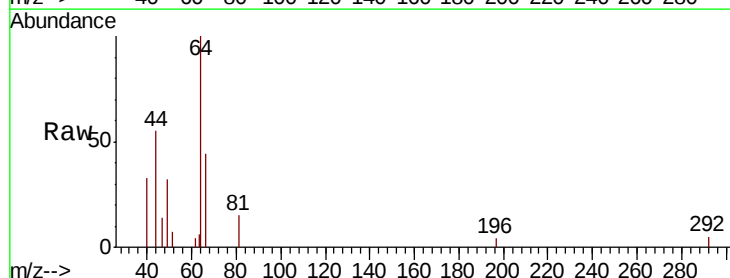
Acq: 15 Feb 2019 11:41

Tgt Ion: 64 Resp: 5134

Ion Ratio Lower Upper

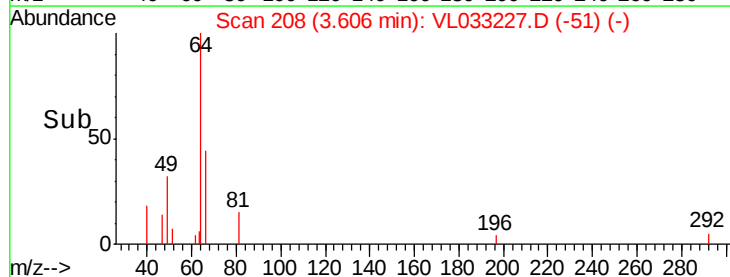
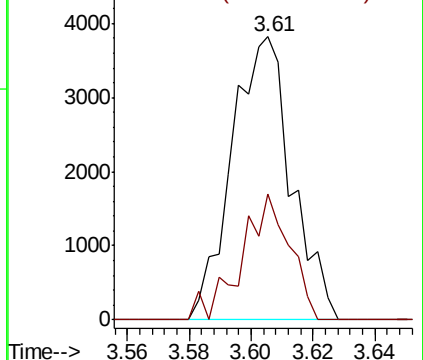
64 100

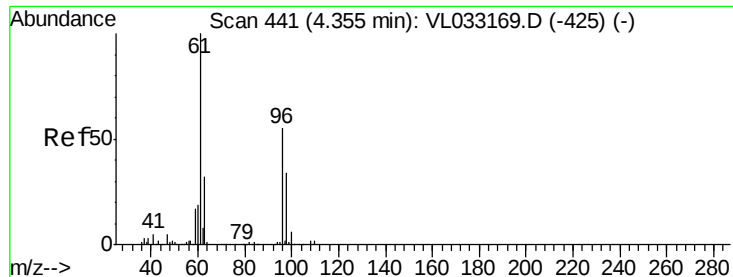
66 44.3 26.0 39.0#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#18

1,1-Dichloroethene

Concen: 0.200 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033227.D

Acq: 15 Feb 2019 11:41

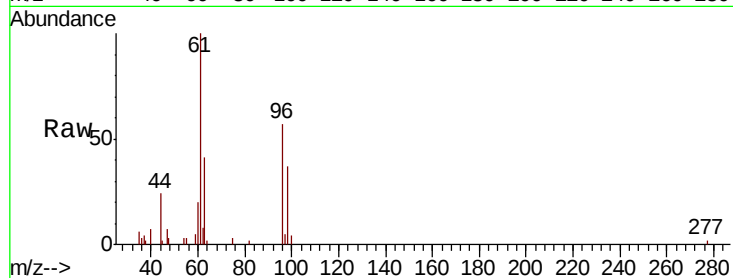
Tot Ion: 96 Resp: 7788

Ion Ratio Lower Upper

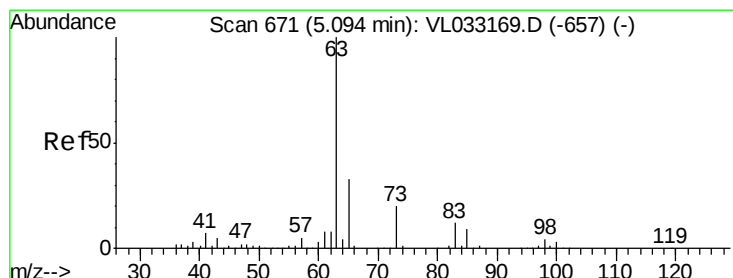
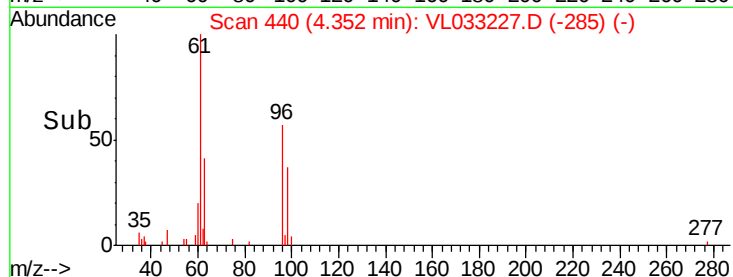
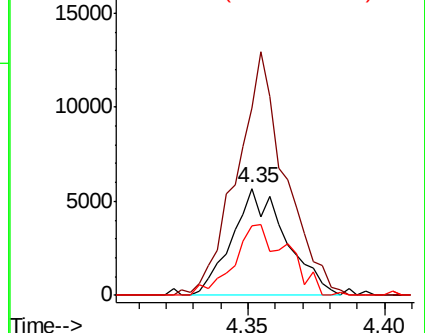
96 100

61 172.8 145.0 217.6

98 65.2 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



#24

1,1-Dichloroethane

Concen: 3.179 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033227.D

Acq: 15 Feb 2019 11:41

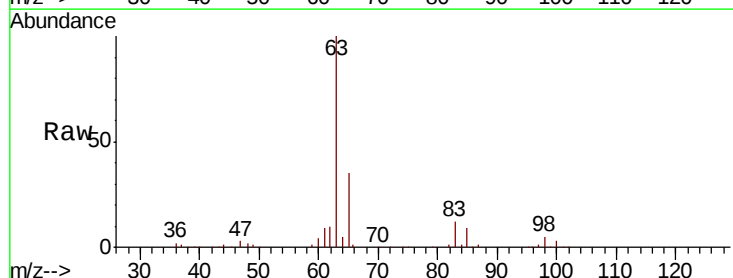
Tgt Ion: 63 Resp: 356428

Ion Ratio Lower Upper

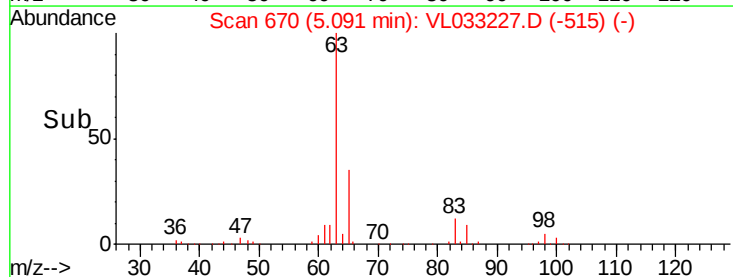
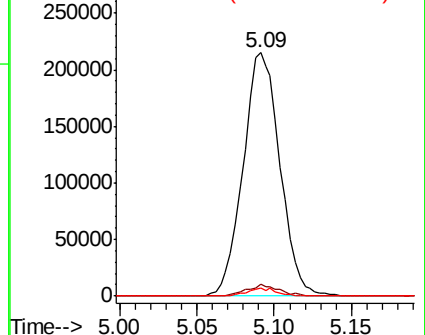
63 100

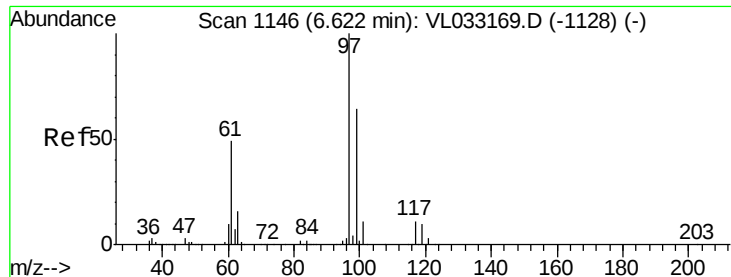
98 4.7 2.1 6.5

100 3.4 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: 10.617 ppbv

RT: 6.62 min Scan# 1146

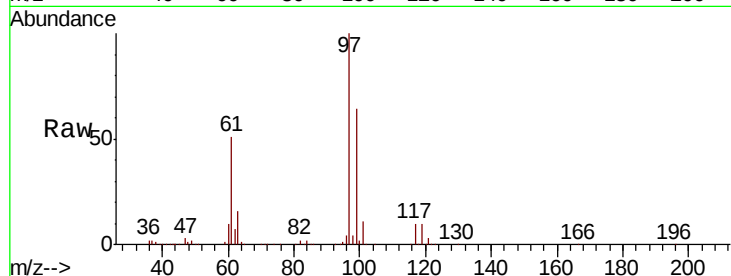
Delta R.T. 0.00 min

Lab File: VL033227.D

Acq: 15 Feb 2019 11:41

Tot Ion: 97 Resp: 1729575

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.2
61	51.6	38.8	58.2

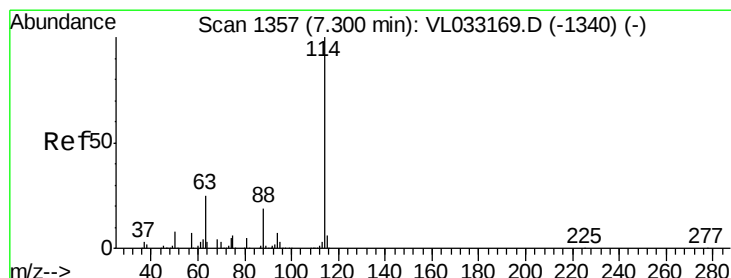
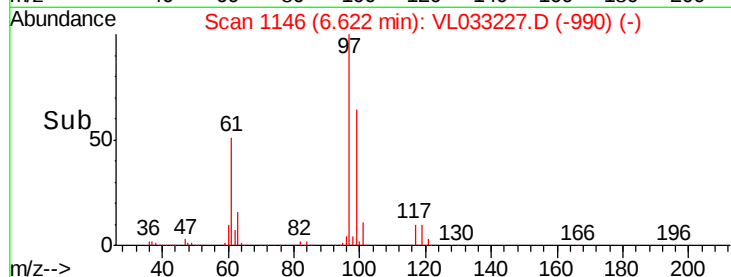
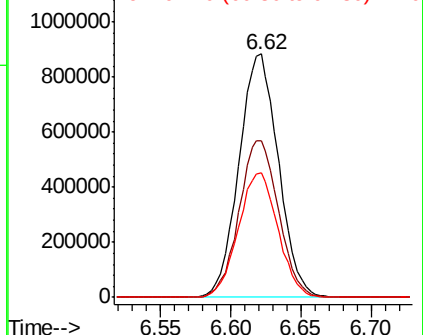


Abundance

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# 1355

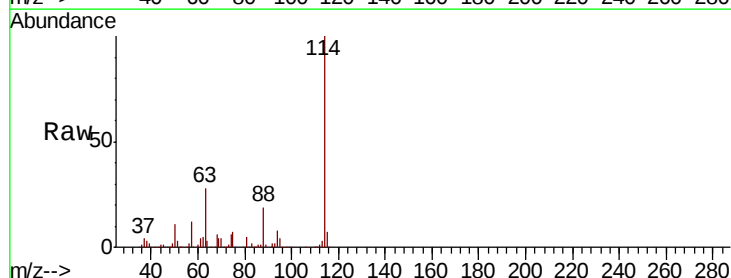
Delta R.T. -0.01 min

Lab File: VL033227.D

Acq: 15 Feb 2019 11:41

Tgt Ion: 114 Resp: 1797814

Ion	Ratio	Lower	Upper
114	100		
63	28.0	20.8	31.2
88	18.5	14.6	22.0

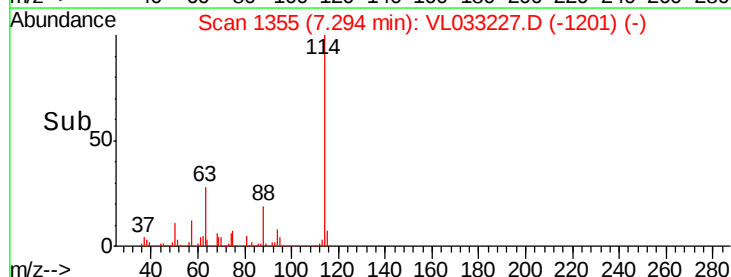
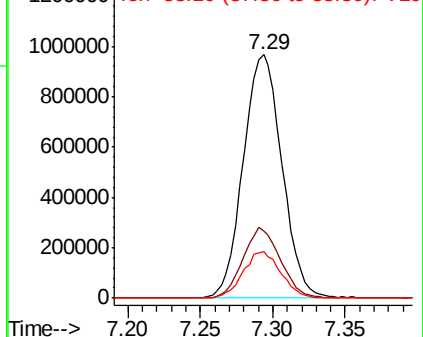


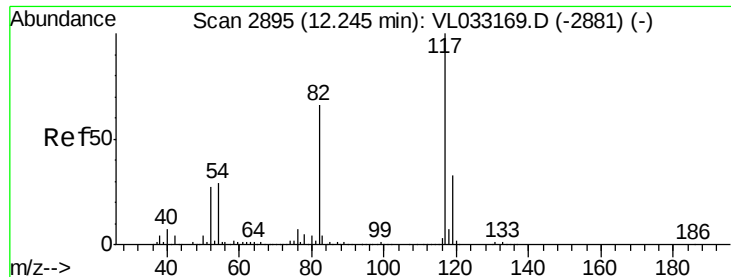
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

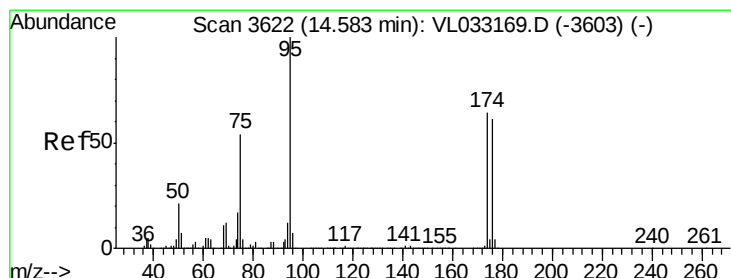
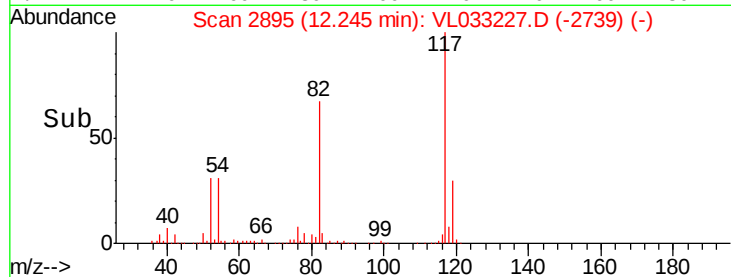
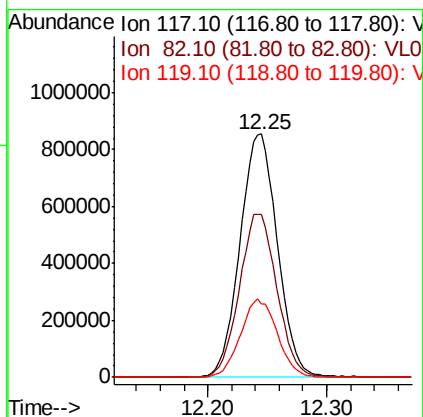
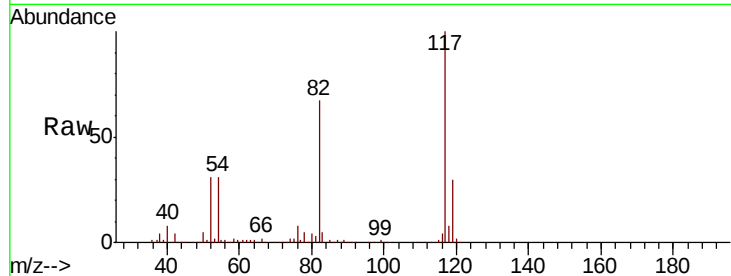
Ion 88.10 (87.80 to 88.80): VL0





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.25 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: VL033227.D
 Acq: 15 Feb 2019 11:41

Tot Ion:117 Resp: 1859967
 Ion Ratio Lower Upper
 117 100
 82 67.7 53.8 80.8
 119 31.6 46.9 70.3#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.164 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: VL033227.D
 Acq: 15 Feb 2019 11:41

Tgt Ion: 95 Resp: 1473290
 Ion Ratio Lower Upper
 95 100
 174 63.7 51.1 76.7
 175 4.5 3.8 5.6

