

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033226.D
 Acq On : 15 Feb 2019 11:03
 Operator : SY/AP
 Sample : K1483-04DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 21 02:36:31 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	705947	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1601913	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1887851	10.00	ppbv	0.00

System Monitoring Compounds

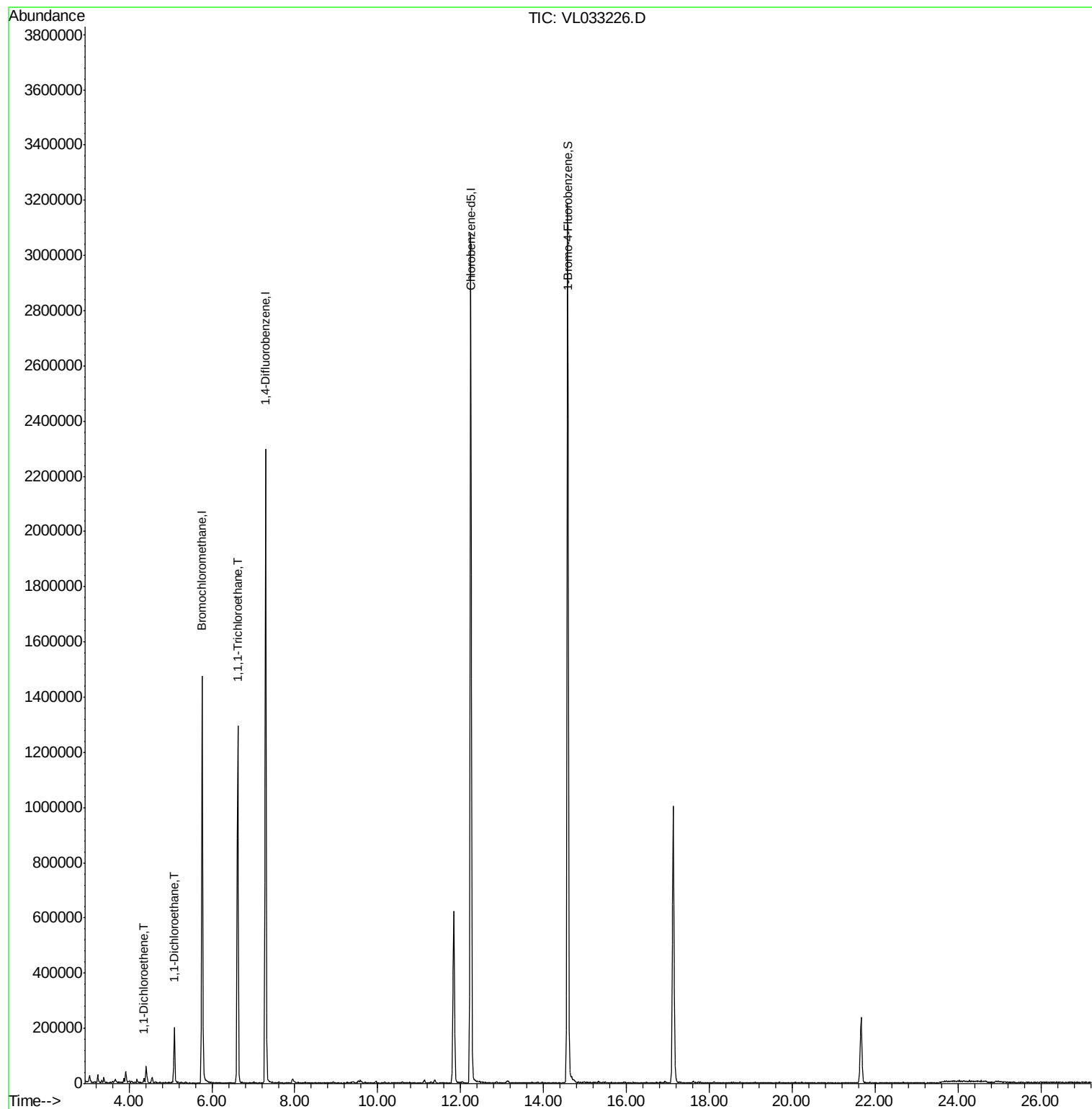
68) 1-Bromo-4-Fluorobenzene	14.58	95	1524370	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

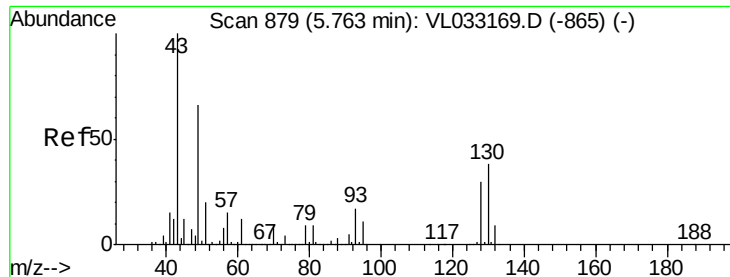
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
18) 1,1-Dichloroethene	4.36	96	4181m	0.123	ppbv	
24) 1,1-Dichloroethane	5.09	63	159427	1.635	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	792450	5.594	ppbv	97

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

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QLast Update : Wed Feb 20 06:00:52 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033226.D

Acq: 15 Feb 2019 11:03

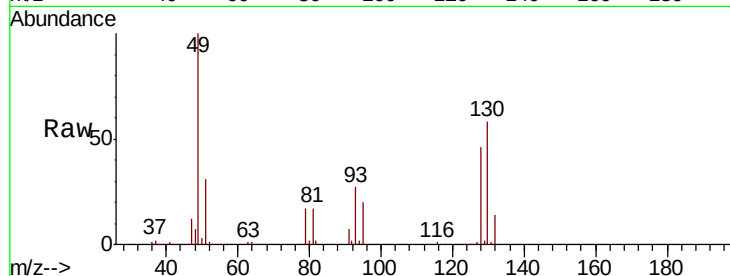
Tot Ion: 49 Resp: 705947

Ion	Ratio	Lower	Upper
49	100		
128	46.2	23.6	71.0
130	59.1	30.3	91.0

49 100

128 46.2 23.6 71.0

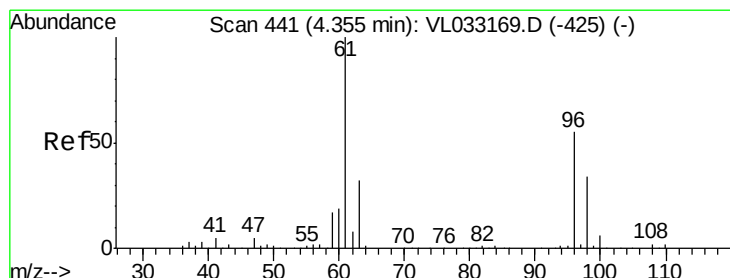
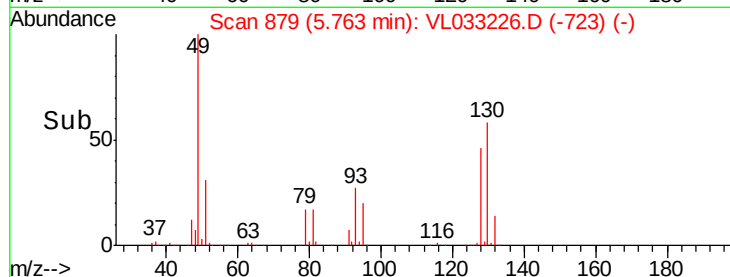
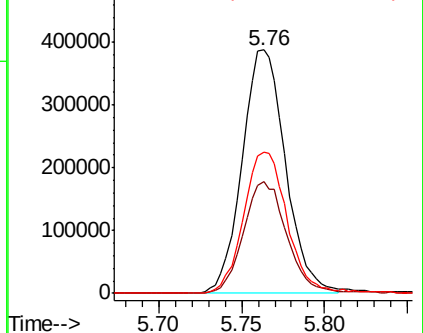
130 59.1 30.3 91.0



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



#18

1,1-Dichloroethene

Concen: 0.123 ppbv m

RT: 4.36 min Scan# 442

Delta R.T. 0.00 min

Lab File: VL033226.D

Acq: 15 Feb 2019 11:03

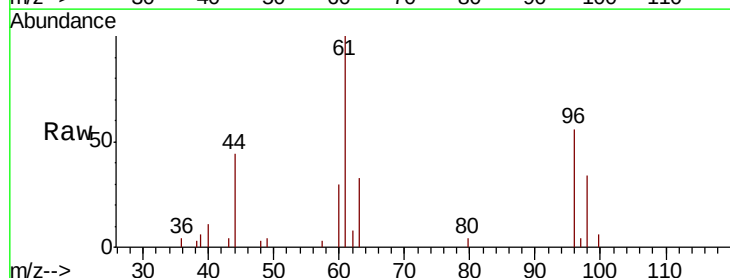
Tgt Ion: 96 Resp: 4181

Ion	Ratio	Lower	Upper
96	100		
61	178.6	145.0	217.6
98	60.4	50.0	75.0

96 100

61 178.6 145.0 217.6

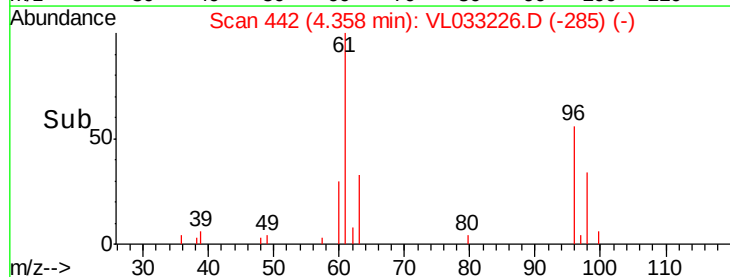
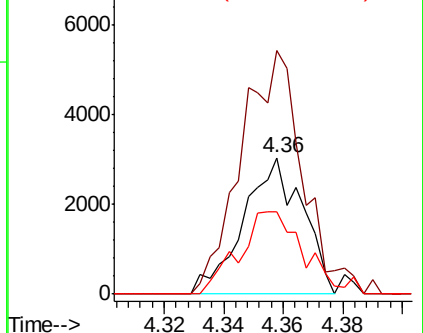
98 60.4 50.0 75.0

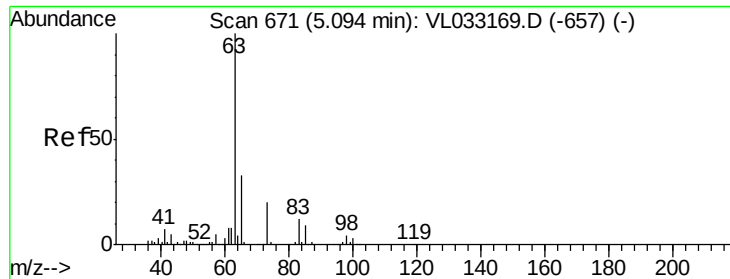


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#24

1,1-Dichloroethane

Concen: 1.635 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033226.D

Acq: 15 Feb 2019 11:03

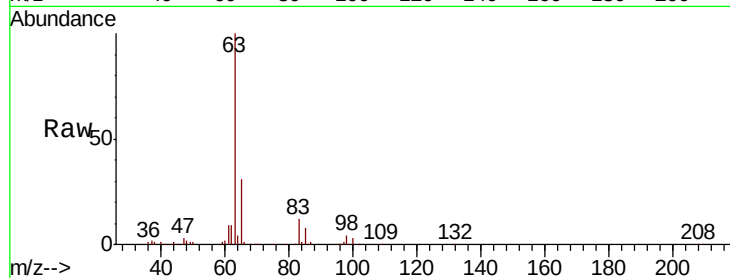
Tot Ion: 63 Resp: 159427

Ion Ratio Lower Upper

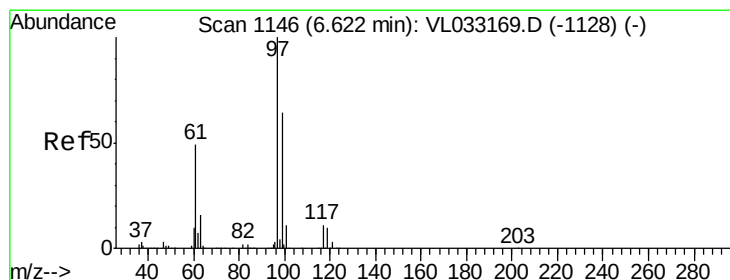
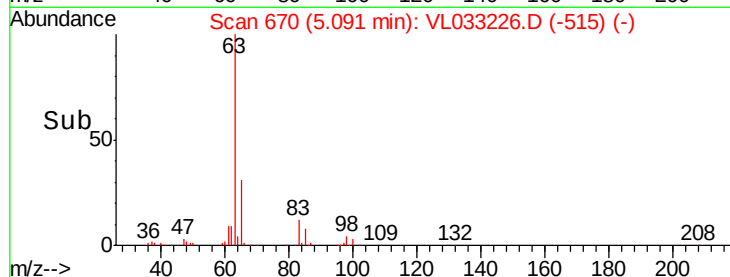
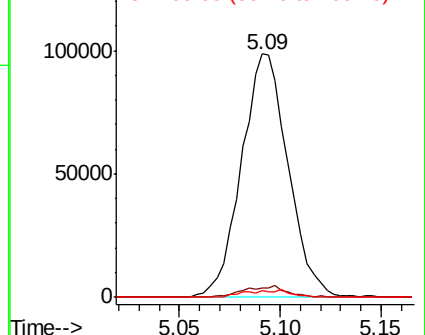
63 100

98 4.2 2.1 6.5

100 2.8 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: 5.594 ppbv

RT: 6.62 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VL033226.D

Acq: 15 Feb 2019 11:03

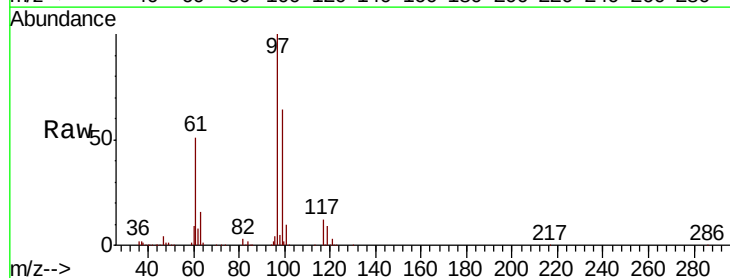
Tgt Ion: 97 Resp: 792450

Ion Ratio Lower Upper

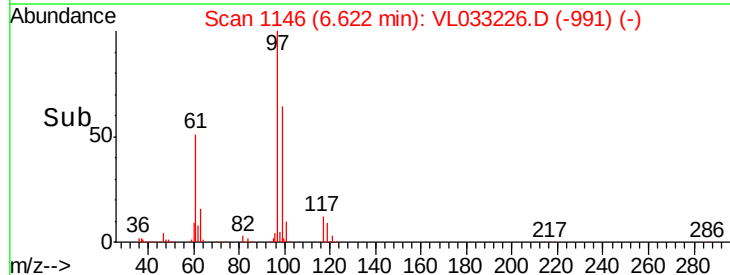
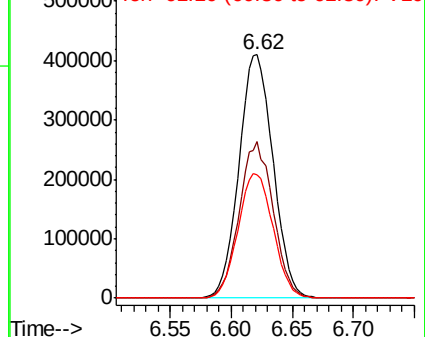
97 100

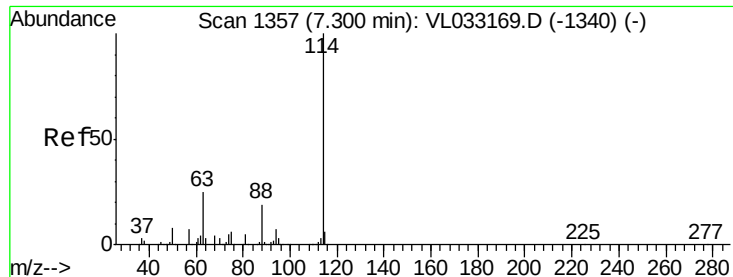
99 63.9 51.4 77.2

61 52.7 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: VL033226.D

Acq: 15 Feb 2019 11:03

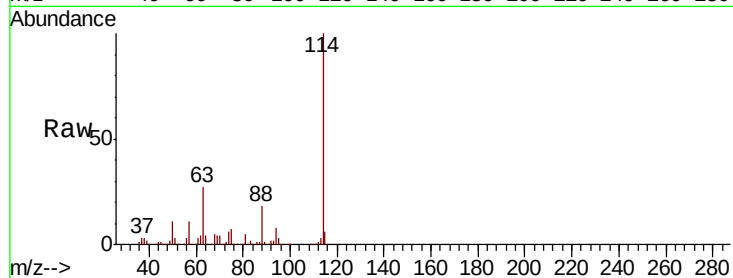
Tot Ion:114 Resp: 1601913

Ion Ratio Lower Upper

114 100

63 27.2 20.8 31.2

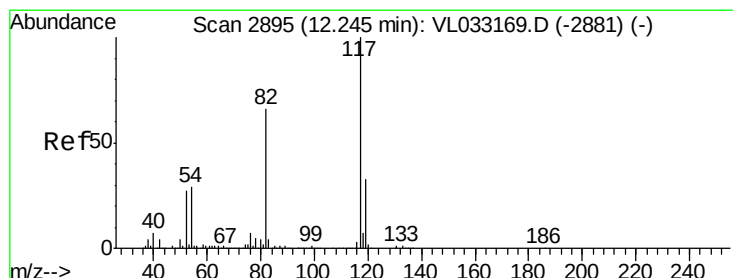
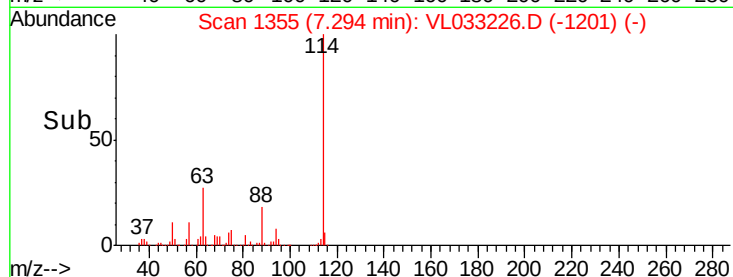
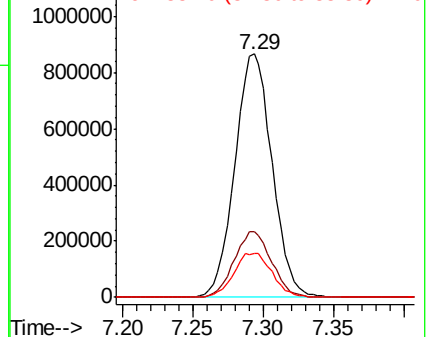
88 18.8 14.6 22.0



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# 2894

Delta R.T. -0.00 min

Lab File: VL033226.D

Acq: 15 Feb 2019 11:03

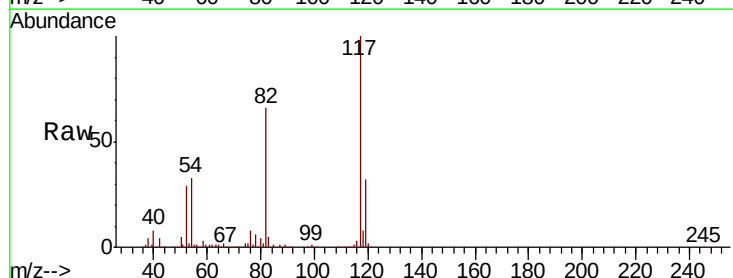
Tgt Ion:117 Resp: 1887851

Ion Ratio Lower Upper

117 100

82 67.7 53.8 80.8

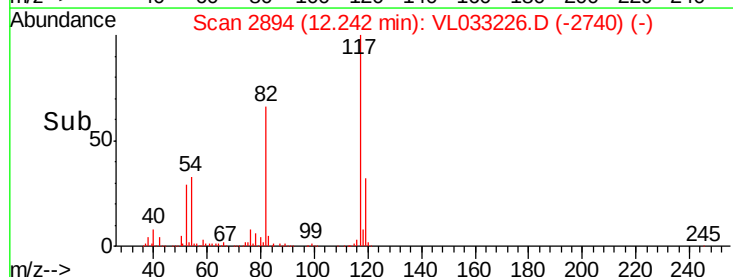
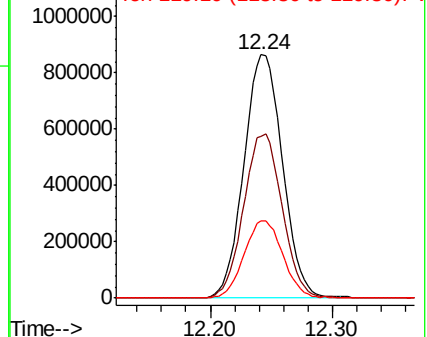
119 32.2 46.9 70.3#

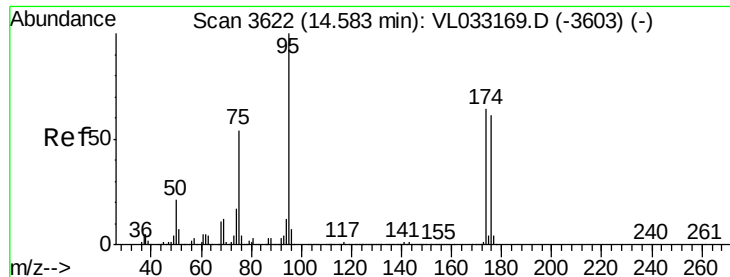


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.361 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VL033226.D

Acq: 15 Feb 2019 11:03

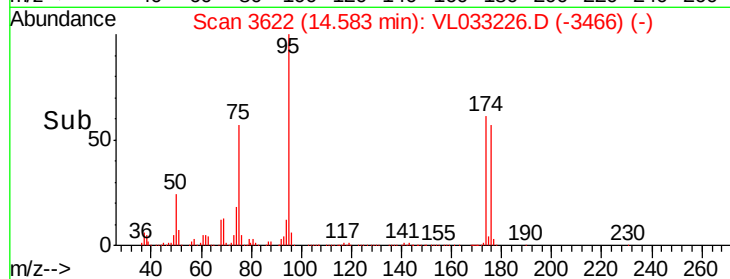
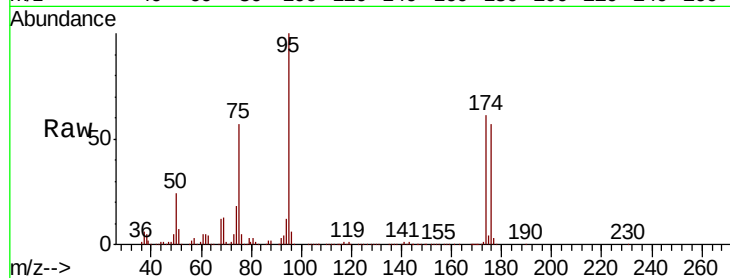
Tot Ion: 95 Resp: 1524370

Ion Ratio Lower Upper

95 100

174 63.0 51.1 76.7

175 4.4 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

