

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
 Data File : VL025771.D
 Acq On : 28 Jul 2015 3:00
 Operator : SY/MD
 Sample : G3040-09DL 1200X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-EFFLUENT-072315DL

Quant Time: Jul 28 05:37:30 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 02:22:55 2015
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	740557	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	1961233	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	2342567	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	2033070	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

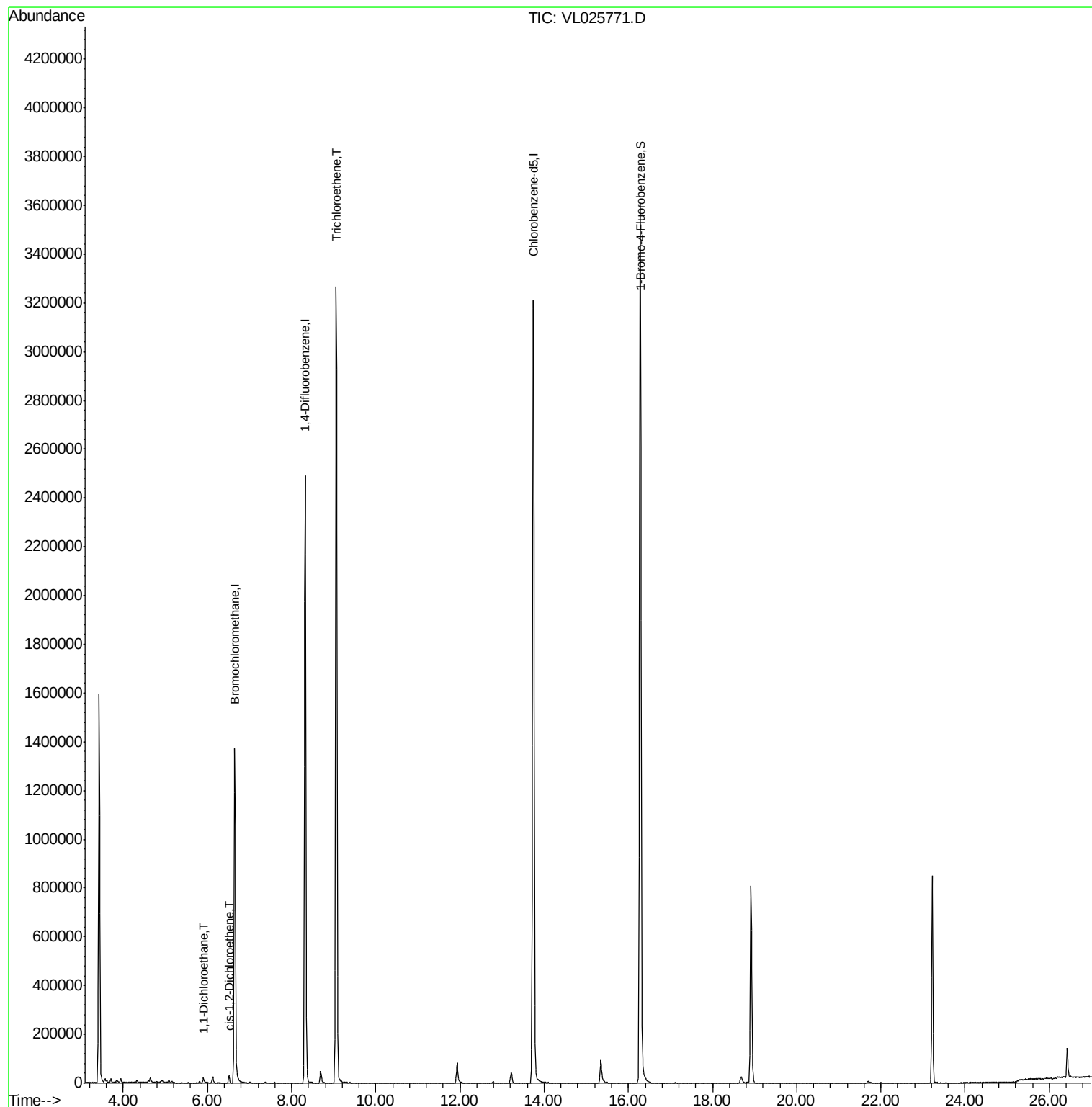
Target Compounds						Qvalue
24) 1,1-Dichloroethane	5.90	63	17320	0.13	ppbv	98
31) cis-1,2-Dichloroethene	6.51	61	21262	0.23	ppbv	90
38) Trichloroethene	9.06	130	1152688	13.20	ppbv	99

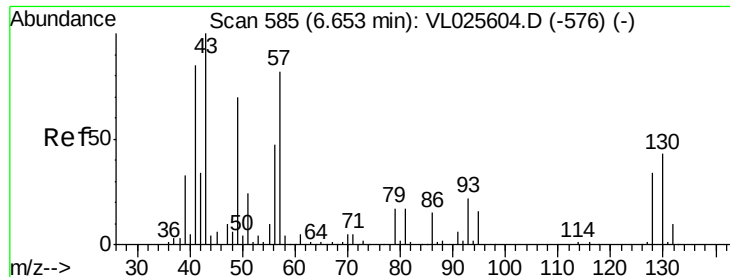
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 584

Delta R.T. -0.01 min

Lab File: VL025771.D

Acq: 28 Jul 2015 3:00

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-072315DL

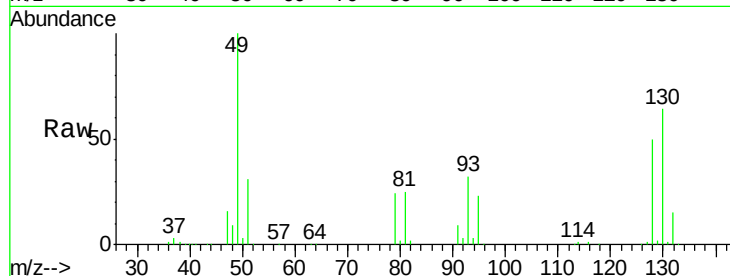
Tgt Ion: 49 Resp: 740557

Ion Ratio Lower Upper

49 100

128 51.0 25.4 76.0

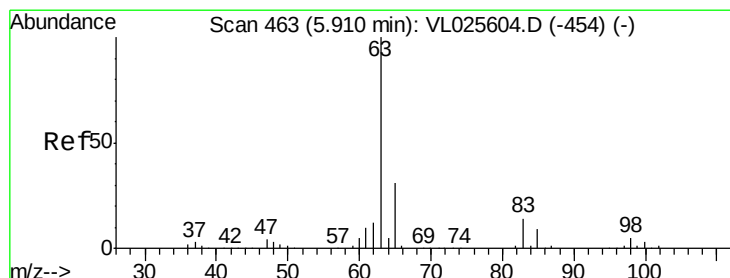
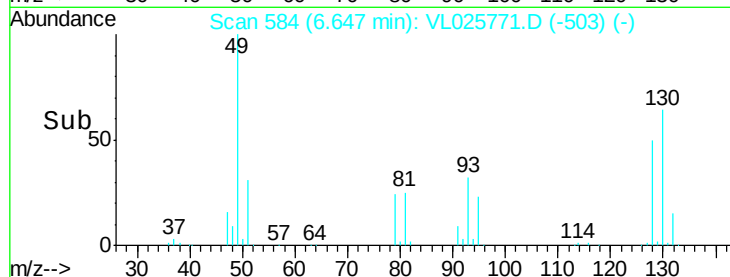
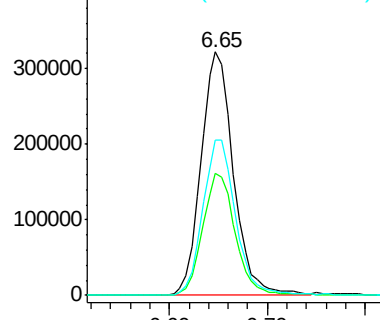
130 65.5 31.9 95.9



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



#24

1,1-Dichloroethane

Concen: 0.13 ppbv

RT: 5.90 min Scan# 462

Delta R.T. -0.01 min

Lab File: VL025771.D

Acq: 28 Jul 2015 3:00

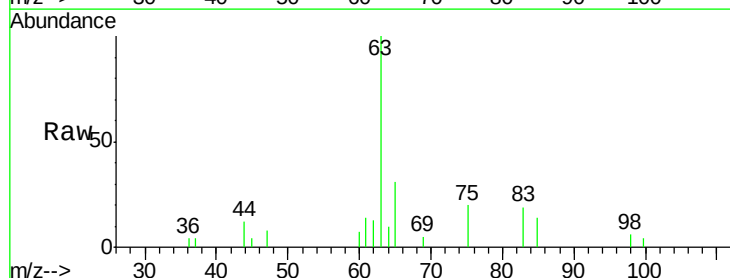
Tgt Ion: 63 Resp: 17320

Ion Ratio Lower Upper

63 100

98 5.9 2.6 8.0

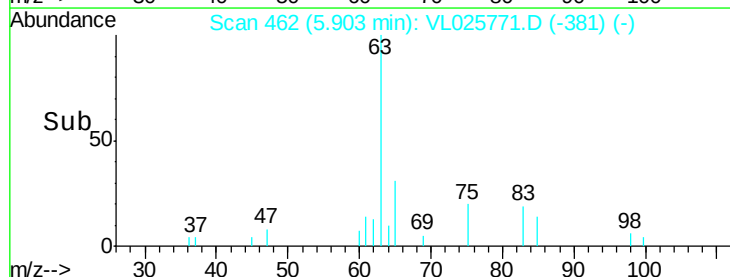
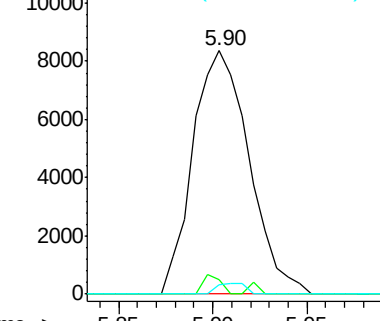
100 3.6 1.6 4.7

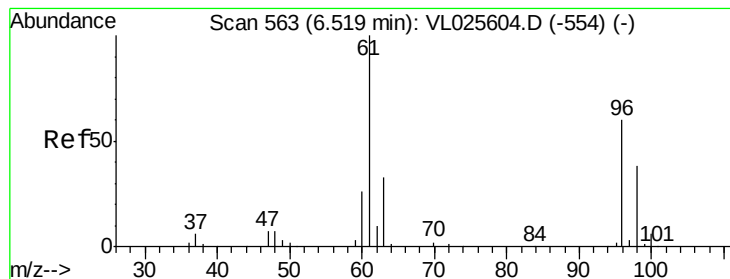


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.23 ppbv

RT: 6.51 min Scan# 562

Delta R.T. -0.01 min

Lab File: VL025771.D

Acq: 28 Jul 2015 3:00

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-072315DL

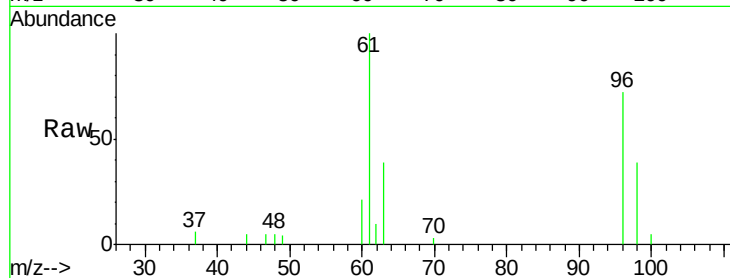
Tgt Ion: 61 Resp: 21262

Ion Ratio Lower Upper

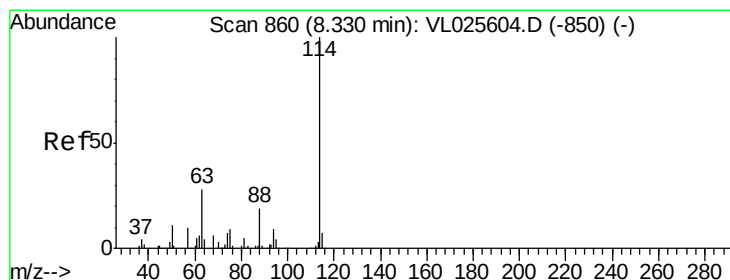
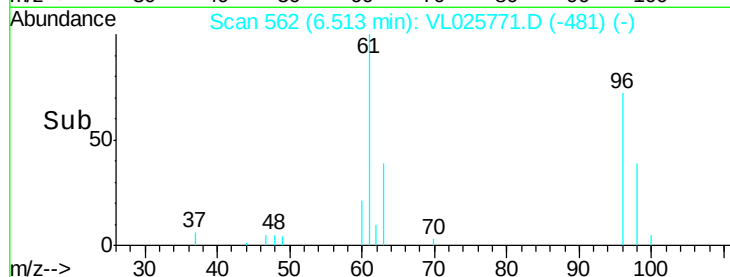
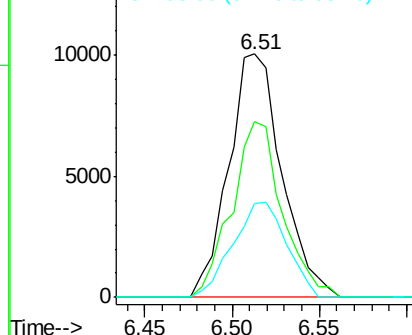
61 100

96 72.0 48.1 72.1

98 38.5 30.7 46.1



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



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.32 min Scan# 859

Delta R.T. -0.01 min

Lab File: VL025771.D

Acq: 28 Jul 2015 3:00

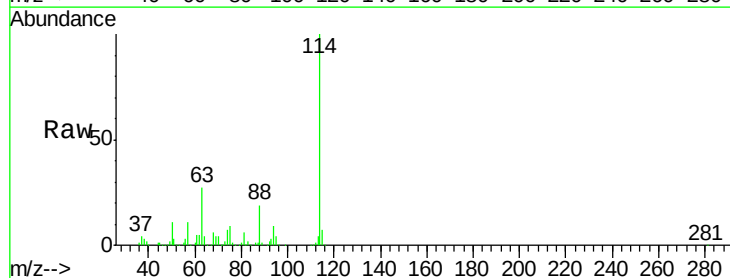
Tgt Ion: 114 Resp: 1961233

Ion Ratio Lower Upper

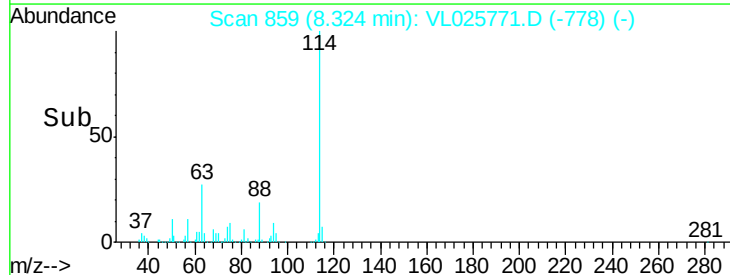
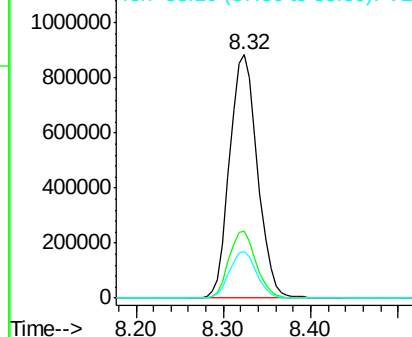
114 100

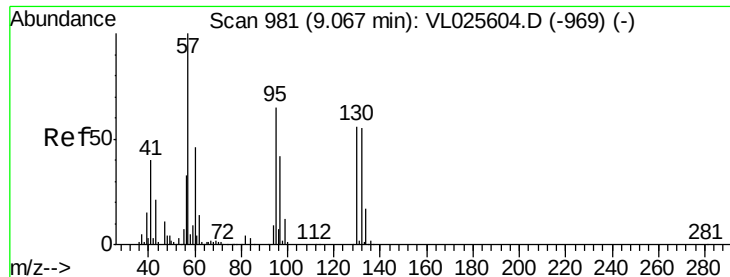
63 27.0 22.4 33.6

88 18.8 15.0 22.4



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





#38

Trichloroethene

Concen: 13.20 ppbv

RT: 9.06 min Scan# 980

Delta R.T. -0.01 min

Lab File: VL025771.D

Acq: 28 Jul 2015 3:00

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-072315DL

Tgt Ion:130 Resp: 1152688

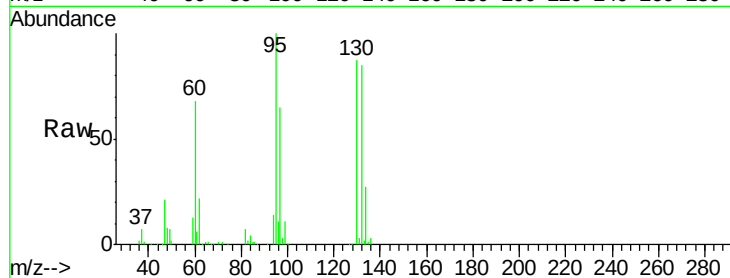
Ion Ratio Lower Upper

130 100

95 115.5 94.2 141.4

132 97.6 78.6 118.0

97 74.8 60.6 90.8

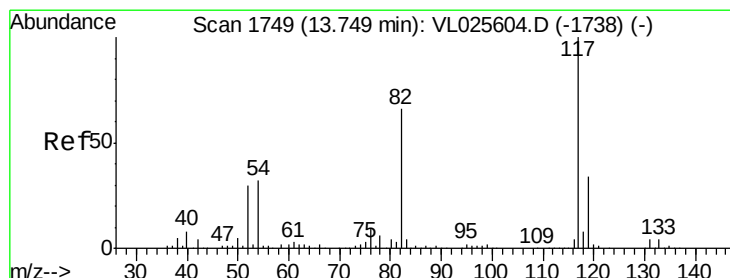
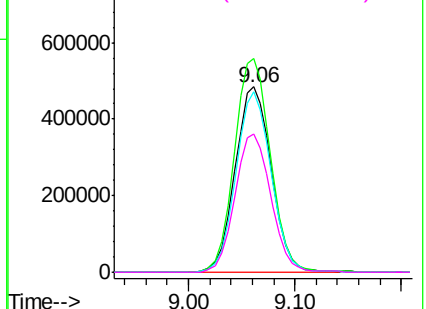
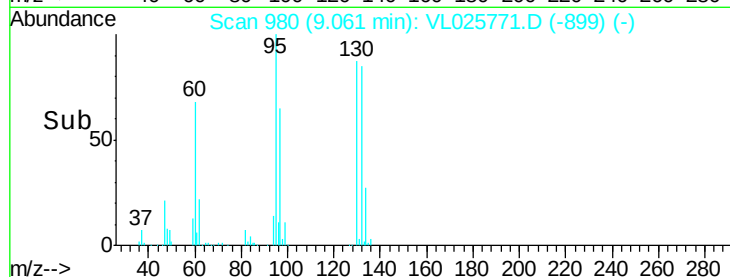


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.74 min Scan# 1748

Delta R.T. -0.01 min

Lab File: VL025771.D

Acq: 28 Jul 2015 3:00

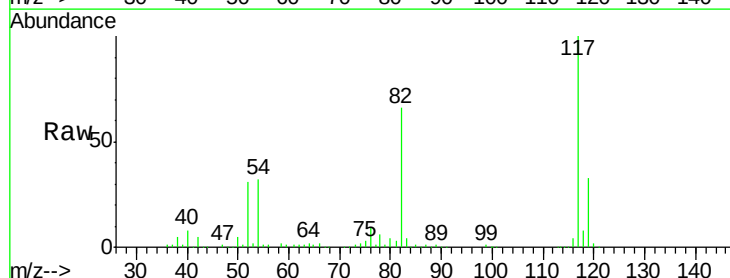
Tgt Ion:117 Resp: 2342567

Ion Ratio Lower Upper

117 100

82 66.3 50.5 75.7

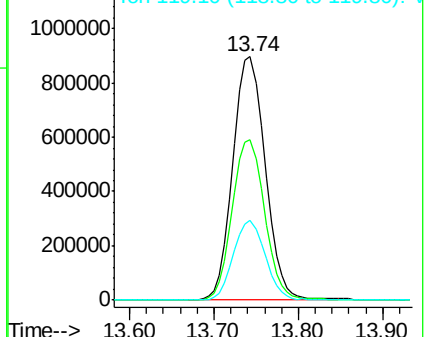
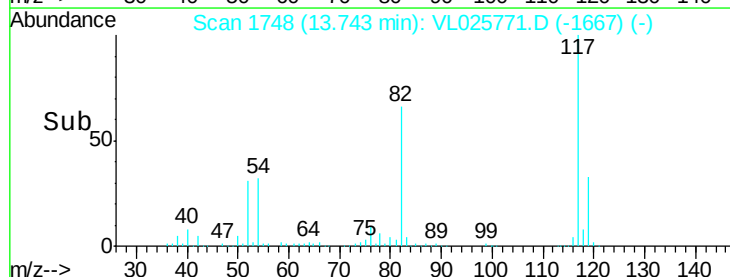
119 32.6 45.1 67.7#

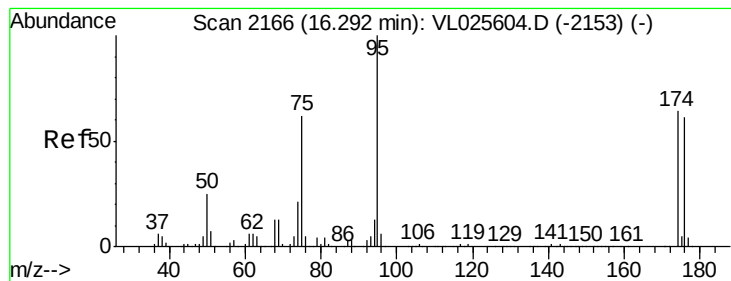


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.29 ppbv

RT: 16.29 min Scan# 2165

Delta R.T. -0.01 min

Lab File: VL025771.D

Acq: 28 Jul 2015 3:00

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-072315DL

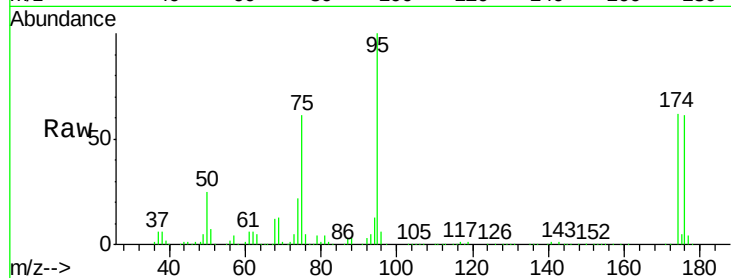
Tgt Ion: 95 Resp: 2033070

Ion Ratio Lower Upper

95 100

174 63.7 52.0 78.0

175 4.9 3.9 5.9



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

