

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL072715\
 Data File : VL025775.D
 Acq On : 28 Jul 2015 5:39
 Operator : SY/MD
 Sample : G3040-08DL 1200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-MIDPOINT-072315DL

Quant Time: Jul 28 07:19:31 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	559770	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	1500363	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	1918228	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	1716258	10.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.10%

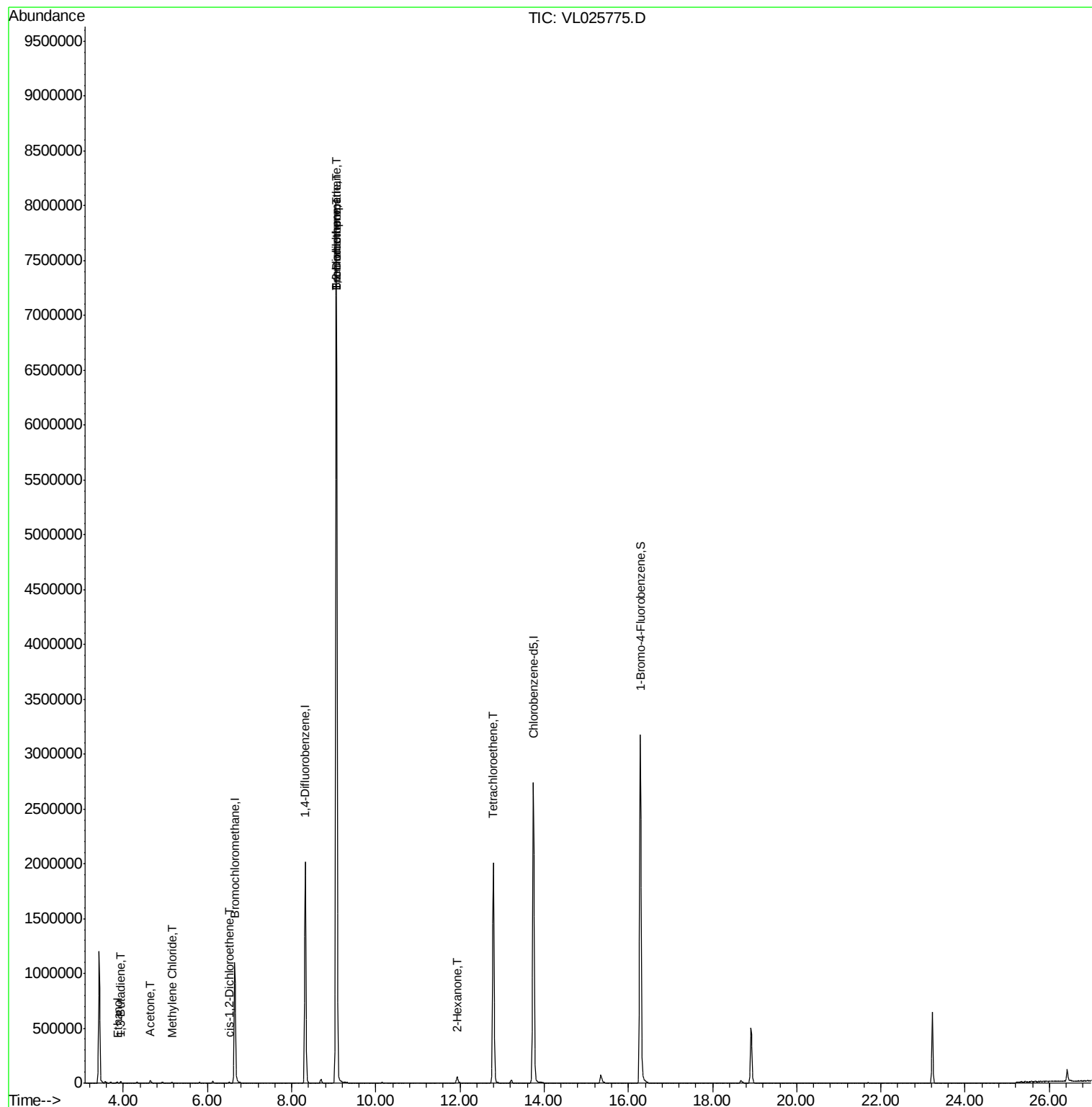
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.87	45	131	0.03	ppbv #	35
15) Acetone	4.64	43	32030	0.32	ppbv #	79
16) 1,3-Butadiene	3.95	39	2026	0.05	ppbv #	12
20) Methylene Chloride	5.15	84	3013	0.07	ppbv #	79
31) cis-1,2-Dichloroethene	6.51	61	7947	0.11	ppbv	88
38) Trichloroethene	9.06	130	2701519	40.44	ppbv	97
39) 1,2-Dichloropropane	9.06	63	17426	0.33	ppbv #	1
42) Bromodichloromethane	9.06	83	45955	0.31	ppbv #	96
51) 2-Hexanone	11.93	43	13651	0.12	ppbv #	42
52) Tetrachloroethene	12.79	164	520671	7.22	ppbv	98

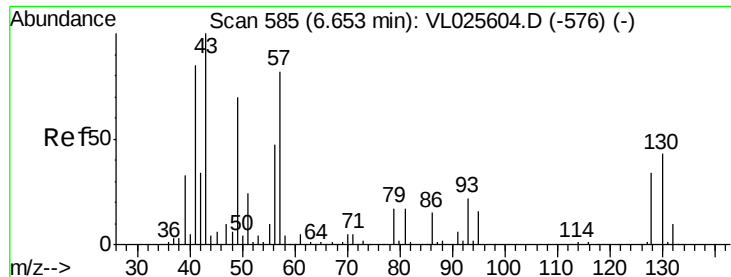
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VL025775.D

Acq: 28 Jul 2015 5:39

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDPOINT-072315DL

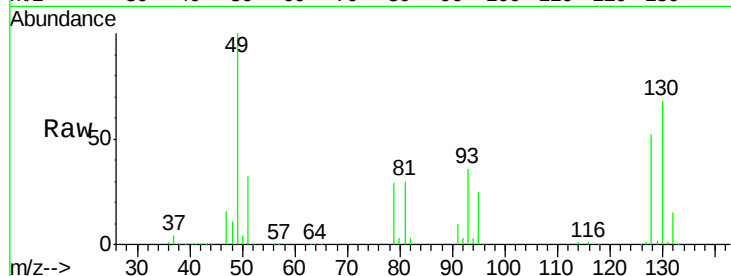
Tot Ion: 49 Resp: 559770

Ion Ratio Lower Upper

49 100

128 52.3 25.4 76.0

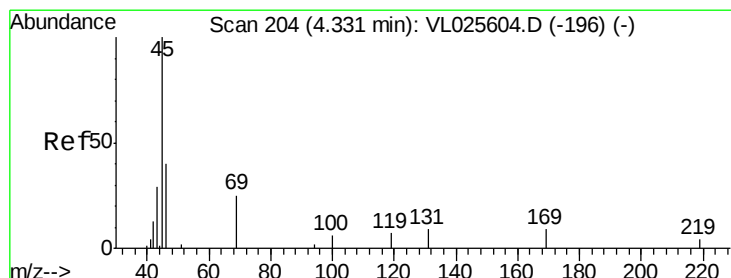
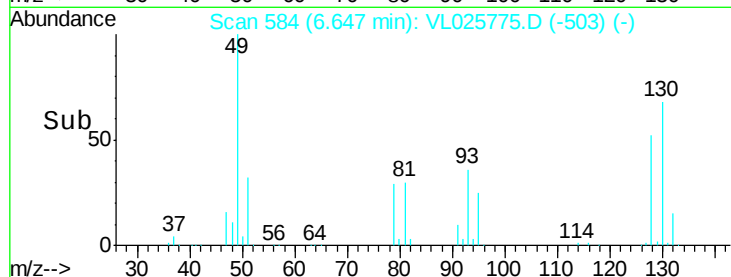
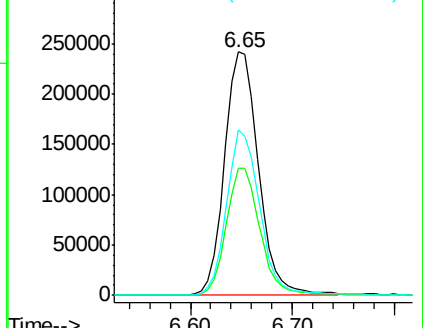
130 66.7 31.9 95.9



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



#13

Ethanol

Concen: 0.03 ppbv

RT: 3.87 min Scan# 128

Delta R.T. -0.46 min

Lab File: VL025775.D

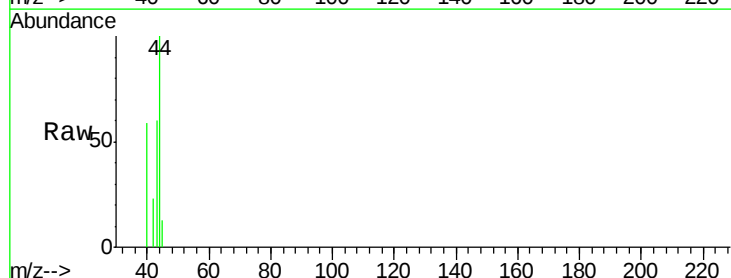
Acq: 28 Jul 2015 5:39

Tgt Ion: 45 Resp: 131

Ion Ratio Lower Upper

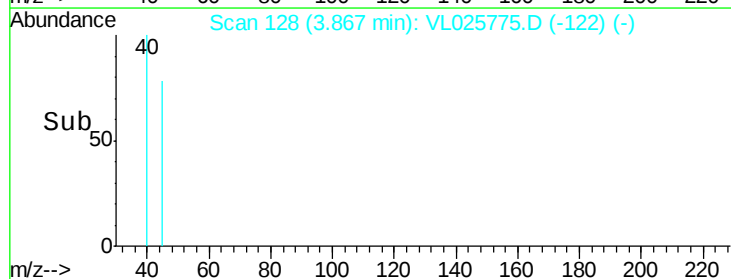
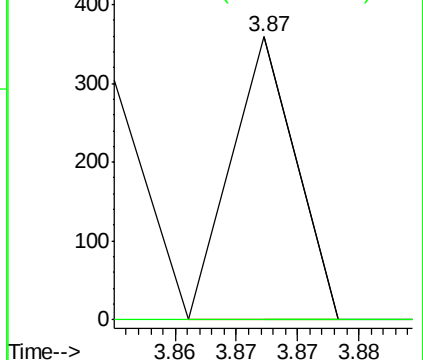
45 100

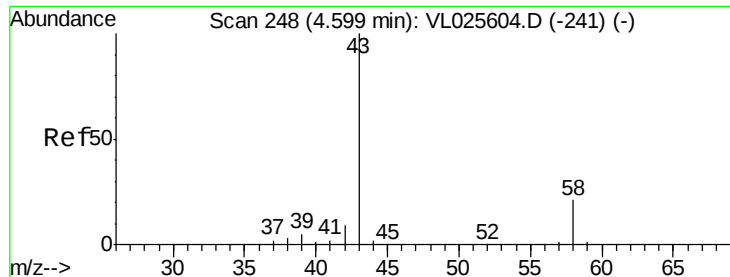
46 0.0 16.0 64.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.32 ppbv

RT: 4.64 min Scan# 255

Delta R.T. 0.04 min

Lab File: VL025775.D

Acq: 28 Jul 2015 5:39

Instrument :

MSVOA_L

ClientSampleId :

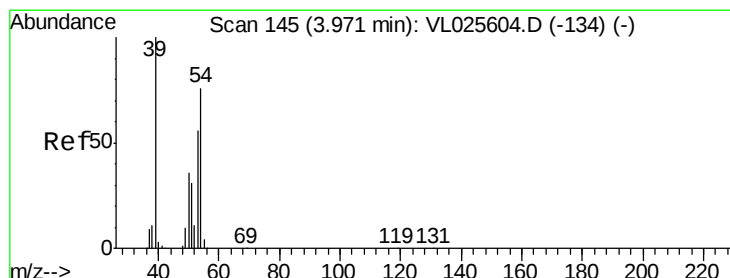
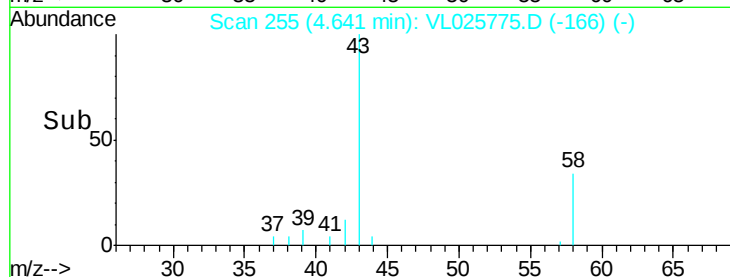
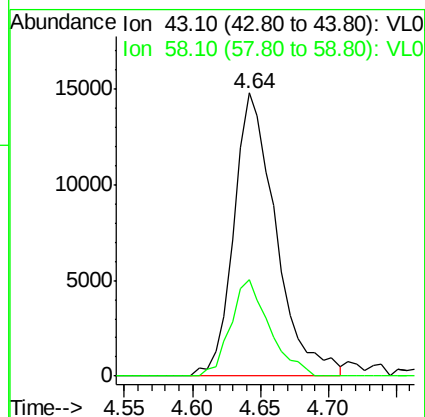
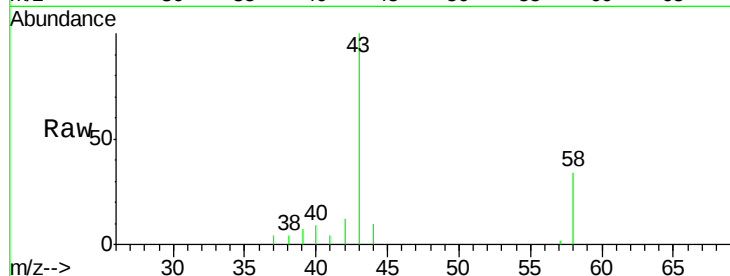
DIN46-MIDPOINT-072315DL

Tot Ion: 43 Resp: 32030

Ion Ratio Lower Upper

43 100

58 31.2 17.2 25.8#



#16

1,3-Butadiene

Concen: 0.05 ppbv

RT: 3.95 min Scan# 141

Delta R.T. -0.02 min

Lab File: VL025775.D

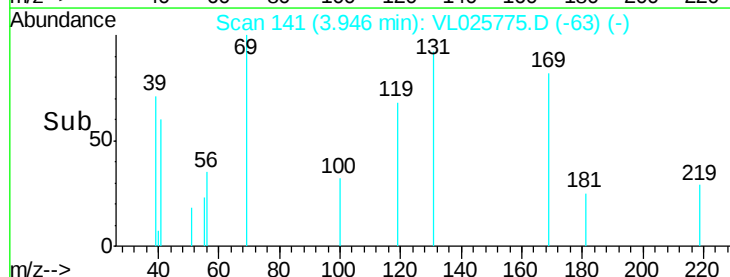
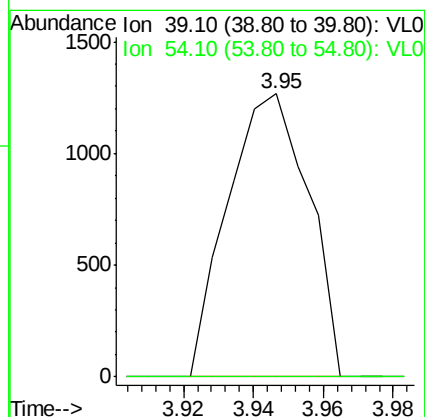
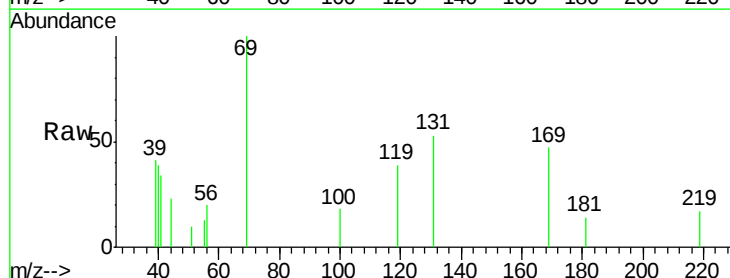
Acq: 28 Jul 2015 5:39

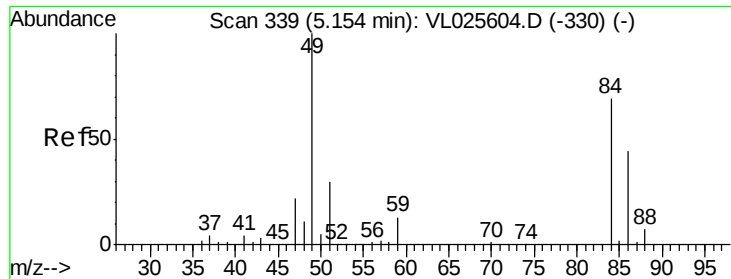
Tgt Ion: 39 Resp: 2026

Ion Ratio Lower Upper

39 100

54 0.0 59.3 88.9#

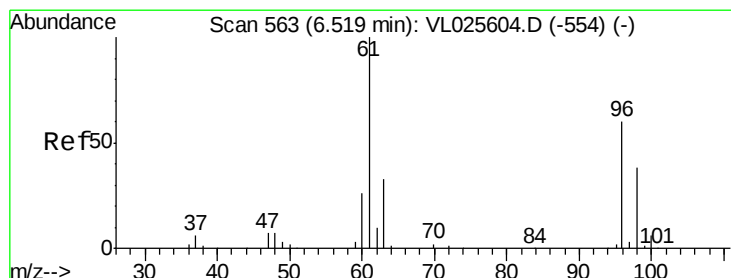
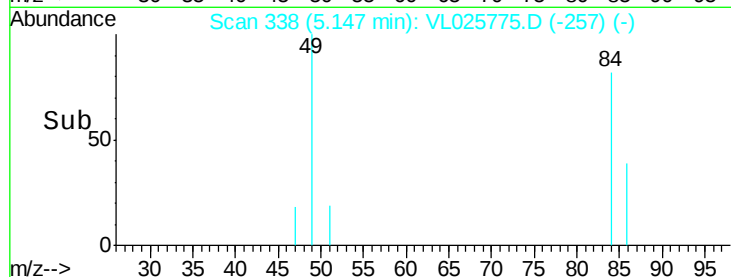
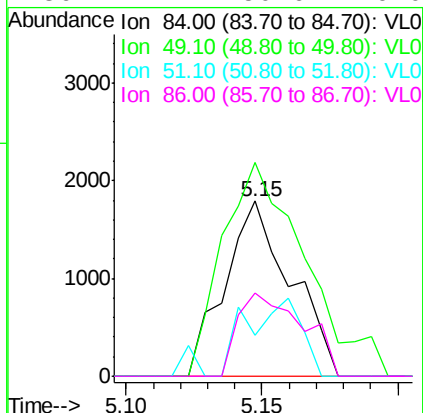
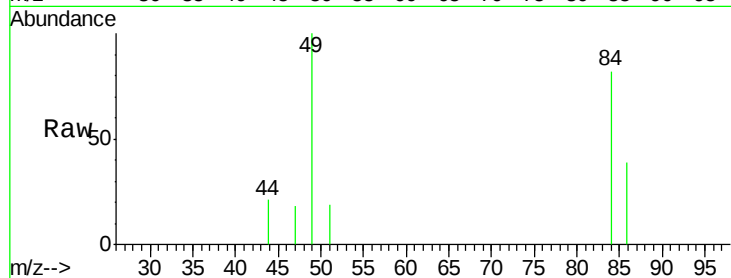




#20
Methylene Chloride
Concen: 0.07 ppbv
RT: 5.15 min Scan# 338
Delta R.T. -0.01 min
Lab File: VL025775.D
Acq: 28 Jul 2015 5:39

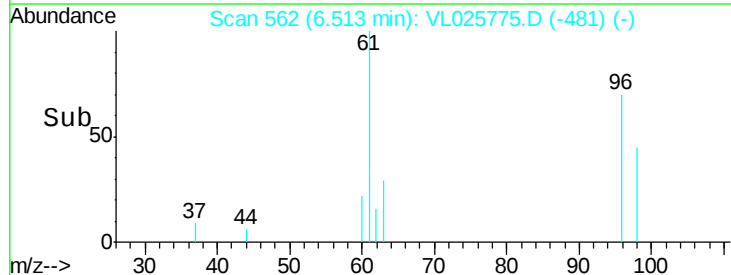
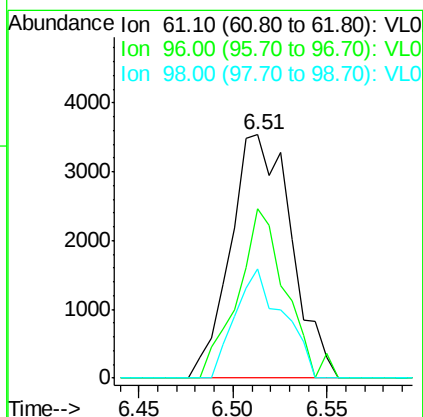
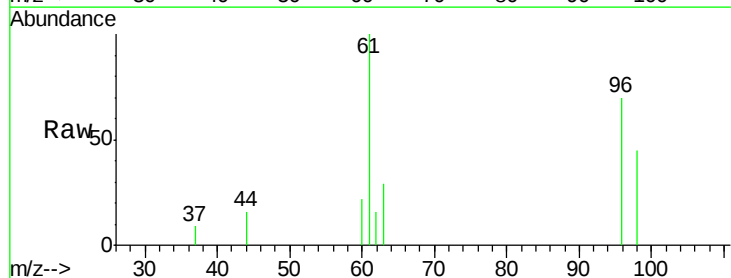
Instrument :
MSVOA_L
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DIN46-MIDPOINT-072315DL

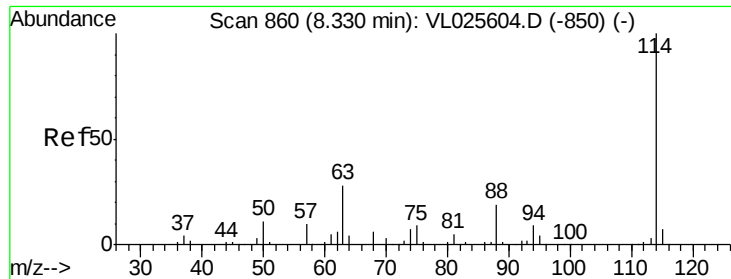
Tot Ion: 84 Resp: 3013
Ion Ratio Lower Upper
84 100
49 122.1 115.2 172.8
51 23.2 35.0 52.6#
86 47.2 50.6 76.0#



#31
cis-1,2-Dichloroethene
Concen: 0.11 ppbv
RT: 6.51 min Scan# 562
Delta R.T. -0.01 min
Lab File: VL025775.D
Acq: 28 Jul 2015 5:39

Tgt Ion: 61 Resp: 7947
Ion Ratio Lower Upper
61 100
96 69.5 48.1 72.1
98 44.8 30.7 46.1

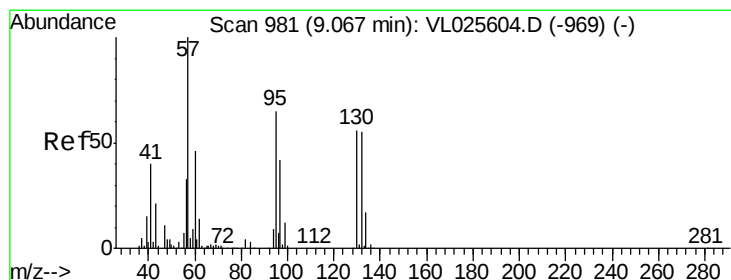
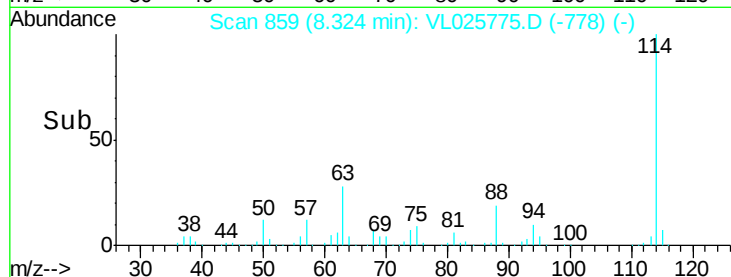
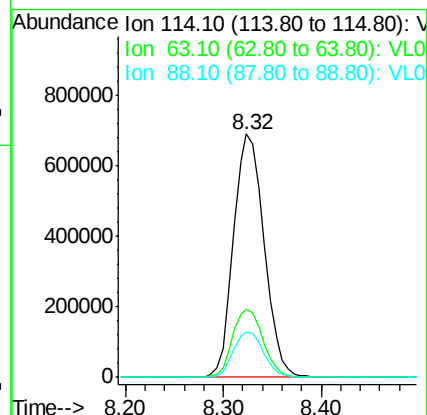
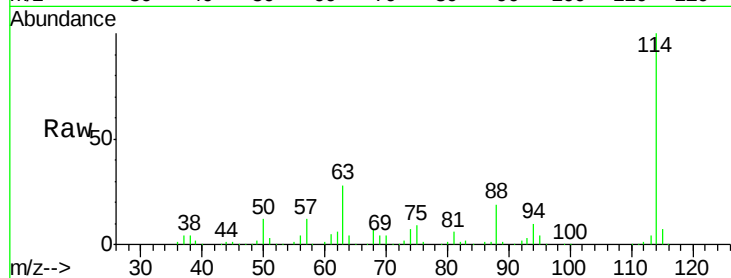




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.32 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VL025775.D
 Acq: 28 Jul 2015 5:39

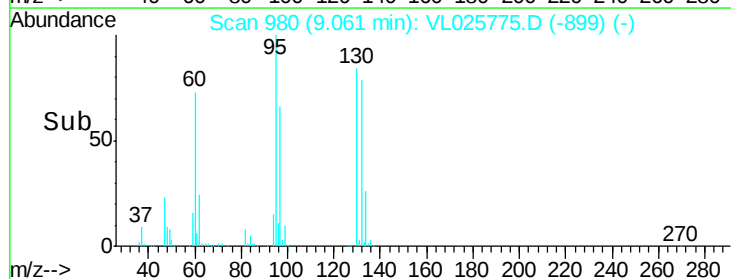
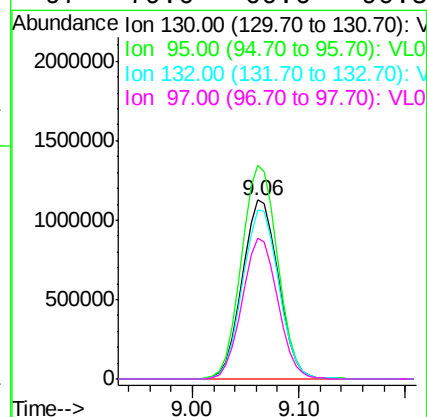
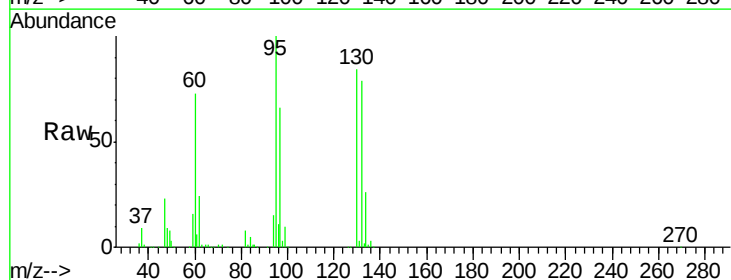
Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-MIDPOINT-072315DL

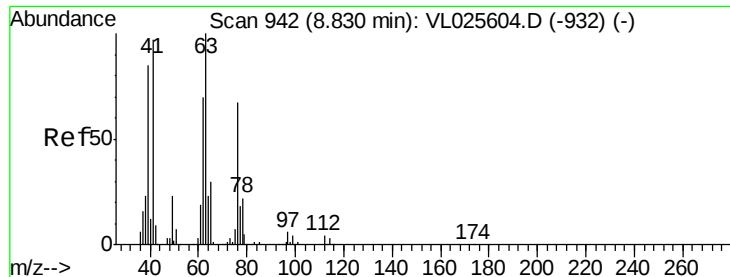
Tot Ion:114 Resp: 1500363
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.4 33.6
 88 18.7 15.0 22.4



#38
 Trichloroethene
 Concen: 40.44 ppbv
 RT: 9.06 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VL025775.D
 Acq: 28 Jul 2015 5:39

Tgt Ion:130 Resp: 2701519
 Ion Ratio Lower Upper
 130 100
 95 119.5 94.2 141.4
 132 94.7 78.6 118.0
 97 79.0 60.6 90.8

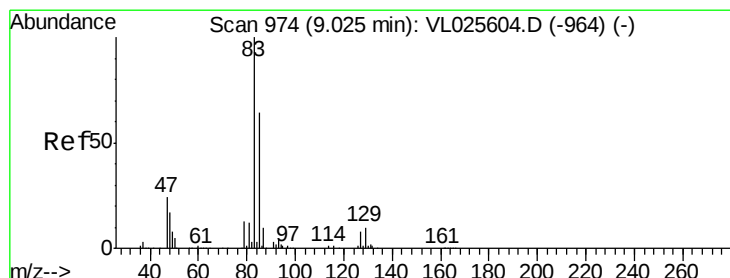
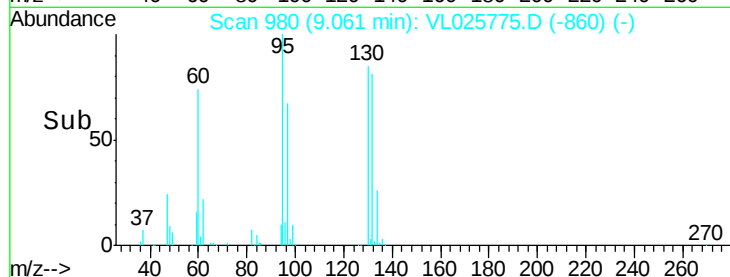
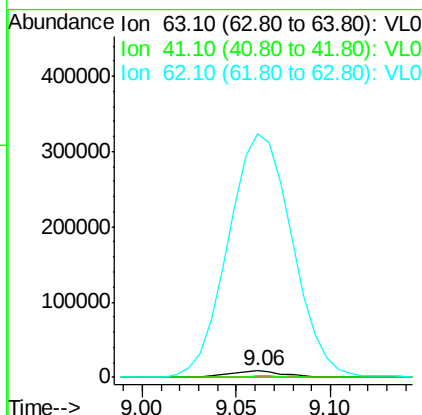
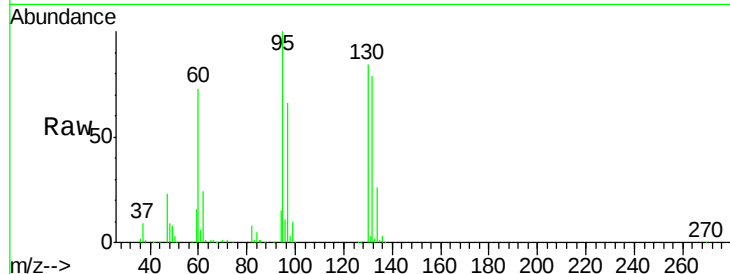




#39
 1,2-Dichloropropane
 Concen: 0.33 ppbv
 RT: 9.06 min Scan# 980
 Delta R.T. 0.23 min
 Lab File: VL025775.D
 Acq: 28 Jul 2015 5:39

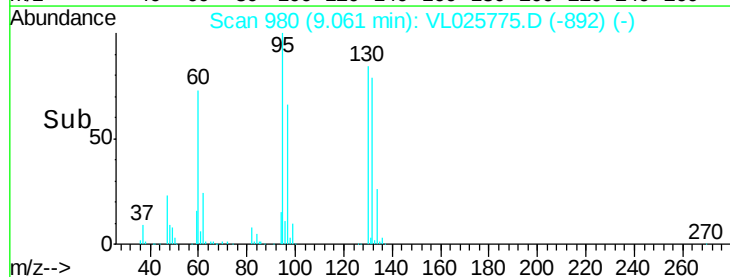
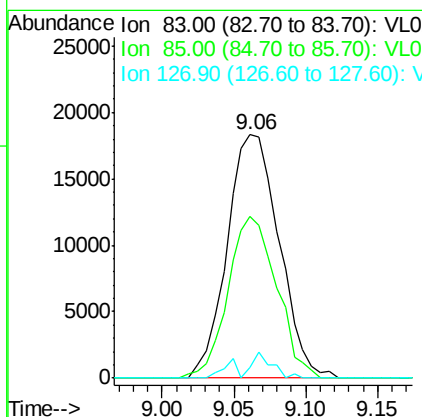
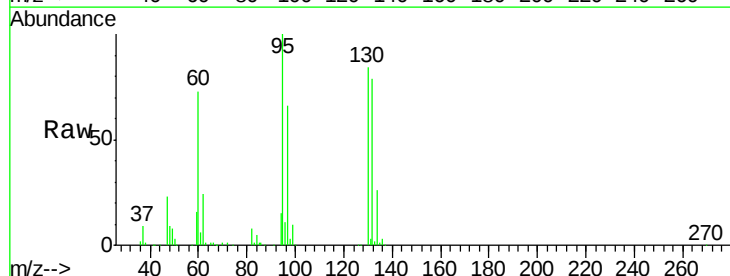
Instrument :
 MSVOA_L
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 DIN46-MIDPOINT-072315DL

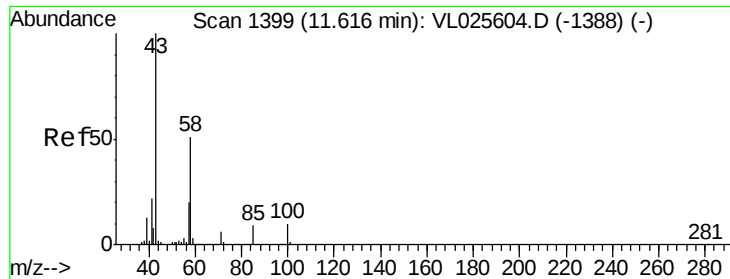
Tot Ion: 63 Resp: 17426
 Ion Ratio Lower Upper
 63 100
 41 13.1 78.0 117.0#
 62 3696.3 55.7 83.5#



#42
 Bromodichloromethane
 Concen: 0.31 ppbv
 RT: 9.06 min Scan# 980
 Delta R.T. 0.04 min
 Lab File: VL025775.D
 Acq: 28 Jul 2015 5:39

Tgt Ion: 83 Resp: 45955
 Ion Ratio Lower Upper
 83 100
 85 66.7 51.3 76.9
 127 4.4 6.0 9.0#





#51

2-Hexanone

Concen: 0.12 ppbv

RT: 11.93 min Scan# 1451

Delta R.T. 0.32 min

Lab File: VL025775.D

Acq: 28 Jul 2015 5:39

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDPOINT-072315DL

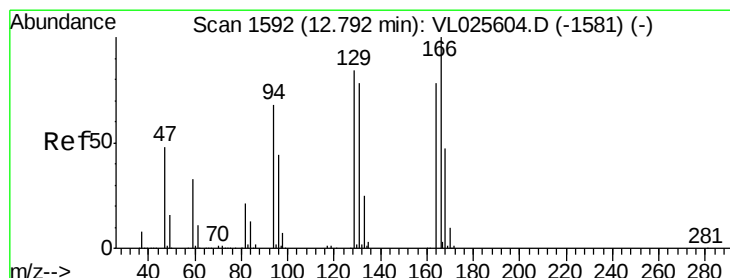
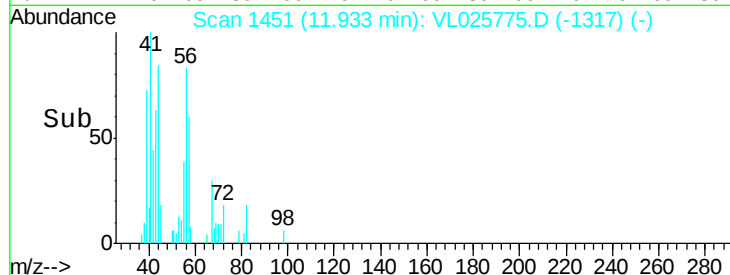
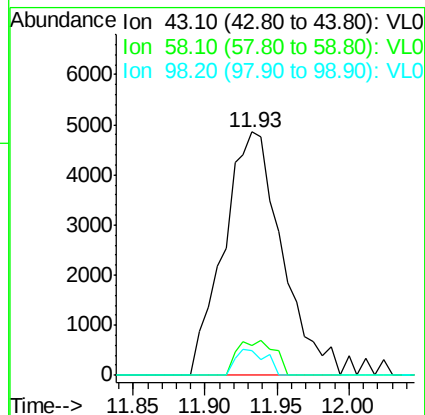
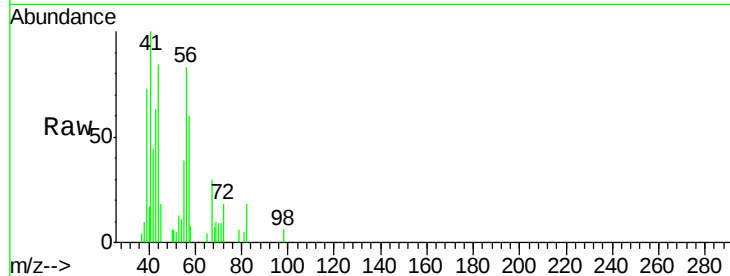
Tot Ion: 43 Resp: 13651

Ion Ratio Lower Upper

43 100

58 9.2 39.0 58.6#

98 5.6 0.2 0.4#



#52

Tetrachloroethene

Concen: 7.22 ppbv

RT: 12.79 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VL025775.D

Acq: 28 Jul 2015 5:39

Tgt Ion: 164 Resp: 520671

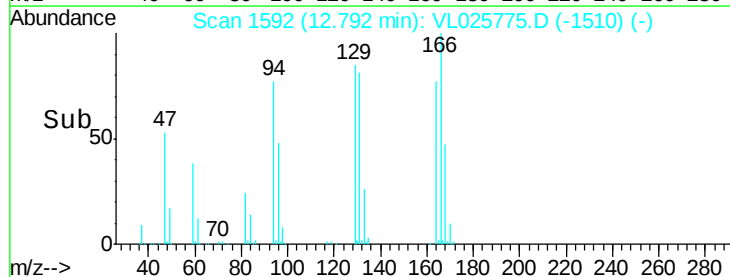
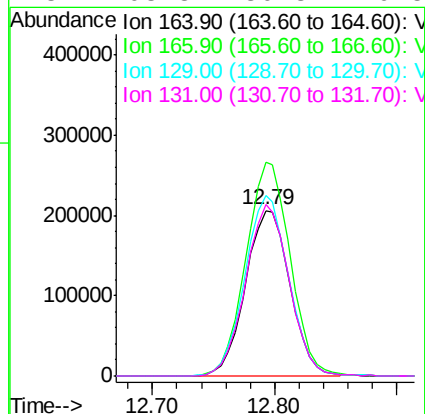
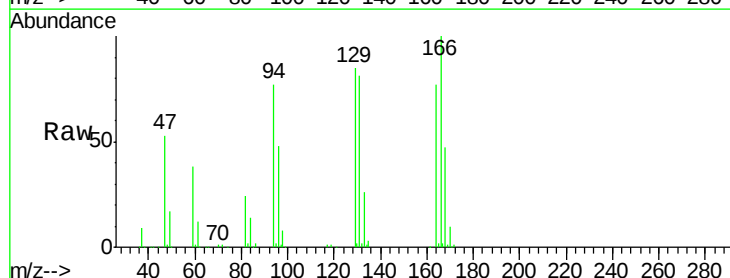
Ion Ratio Lower Upper

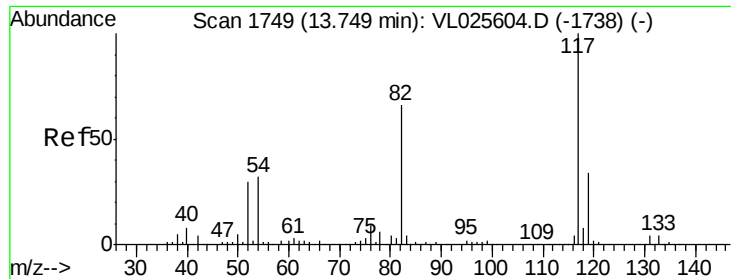
164 100

166 129.1 102.3 153.5

129 109.2 86.2 129.4

131 103.8 80.3 120.5

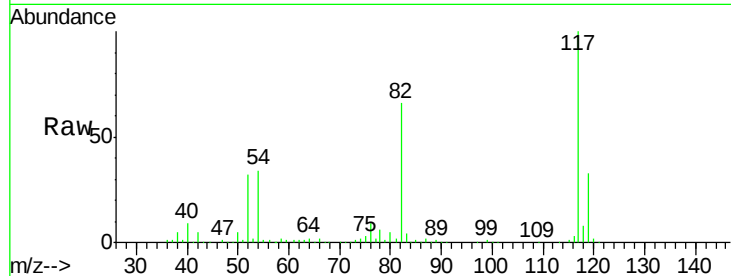




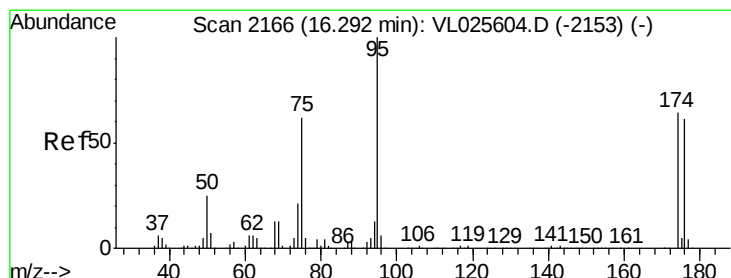
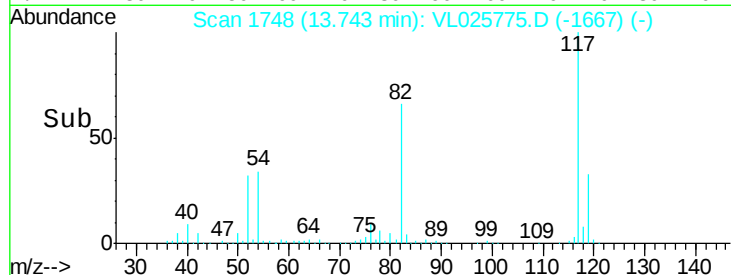
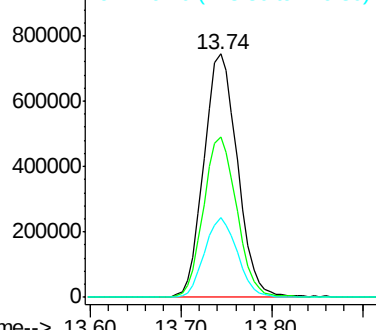
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VL025775.D
Acq: 28 Jul 2015 5:39

Instrument :
MSVOA_L
ClientSampleId :
DIN46-MIDPOINT-072315DL

Tot Ion:117 Resp: 1918228
Ion Ratio Lower Upper
117 100
82 66.0 50.5 75.7
119 32.3 45.1 67.7#

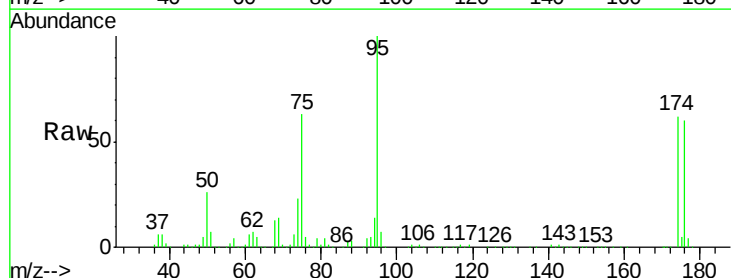


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.61 ppbv
RT: 16.29 min Scan# 2165
Delta R.T. -0.01 min
Lab File: VL025775.D
Acq: 28 Jul 2015 5:39

Tgt Ion: 95 Resp: 1716258
Ion Ratio Lower Upper
95 100
174 63.3 52.0 78.0
175 4.8 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

