

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL100915\
 Data File : VL026177.D
 Acq On : 9 Oct 2015 14:13
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

MMdadoda
 10/12/2015 1:25:23 PM

Quant Time: Oct 09 15:00:59 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 15:00:59 2015
 QLast Update : Fri Oct 09 14:20:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.67	49	914135	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	8.34	114	2403613	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.77	117	2809176	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.31	95	2178325	10.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.90	62	1912	0.029	ppbv	92
32) 1,1,1-Trichloroethane	7.62	97	4856	0.030	ppbv	95
35) Carbon Tetrachloride	8.17	117	4758m	0.030	ppbv	
38) Trichloroethene	9.09	130	4500	0.041	ppbv	96
52) Tetrachloroethene	12.82	164	5189	0.045	ppbv #	78
56) 1,1,1,2-Tetrachloroethane	13.80	131	3653m	0.031	ppbv	

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

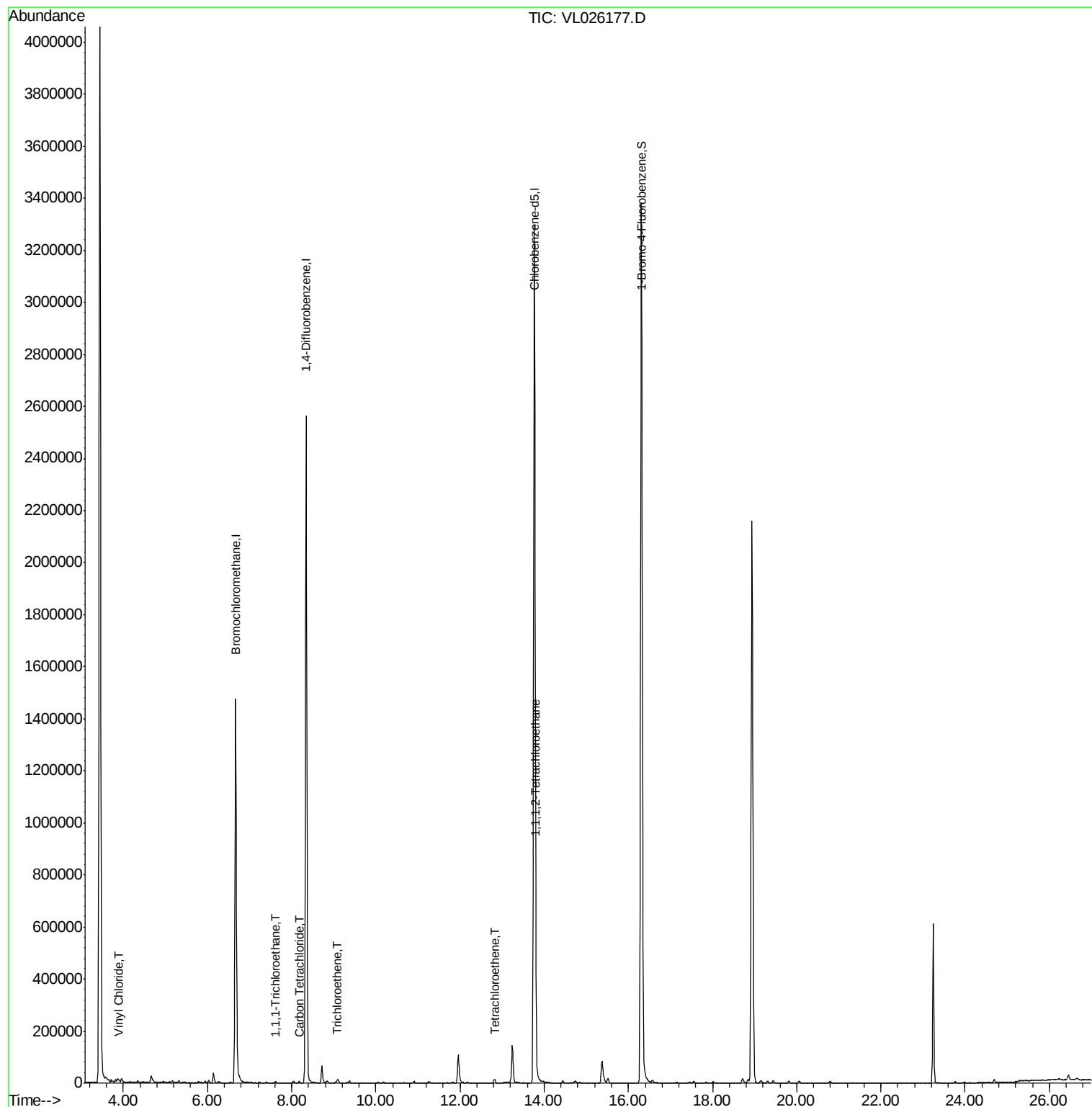
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL100915\
Data File : VL026177.D
Acq On : 9 Oct 2015 14:13
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

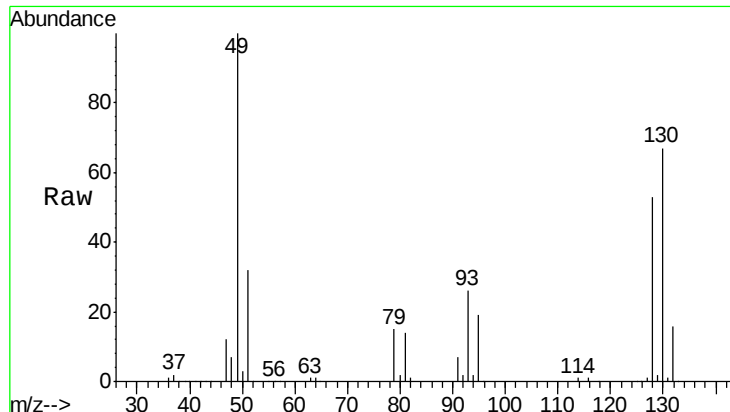
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

MMdadoda
10/12/2015 1:25:23 PM

Quant Time: Oct 09 15:00:59 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct
QLast Update : Fri Oct 09 14:20:41 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 6.67 min Scan# 588

Delta R.T. 0.01 min

Lab File: VL026177.D

Acq: 9 Oct 2015 14:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 914135

Ion Ratio Lower Upper

49 100

128 52.8 26.3 78.8

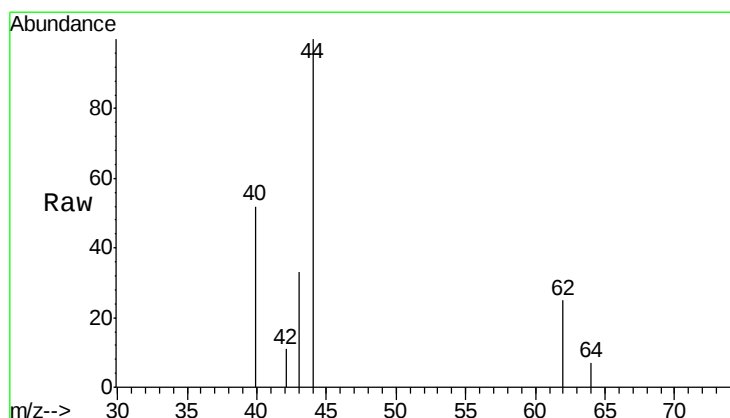
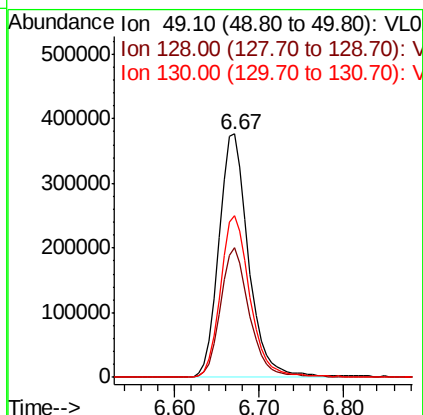
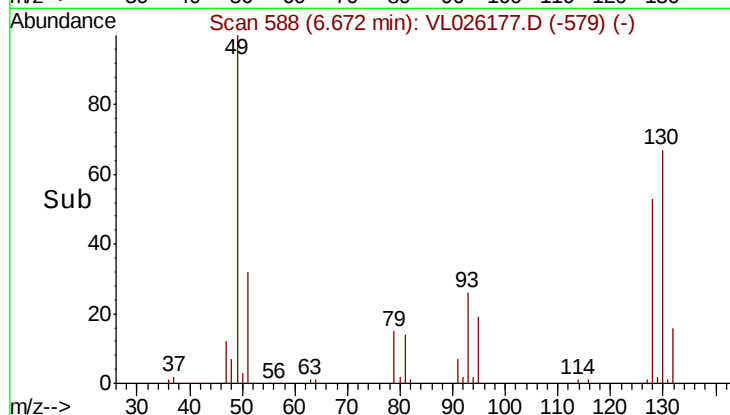
130 67.1 34.2 102.5

Manual Integrations

APPROVED

MMdadoda

10/12/2015 1:25:23 PM



#5

Vinyl Chloride

Concen: 0.029 ppbv

RT: 3.90 min Scan# 133

Delta R.T. 0.01 min

Lab File: VL026177.D

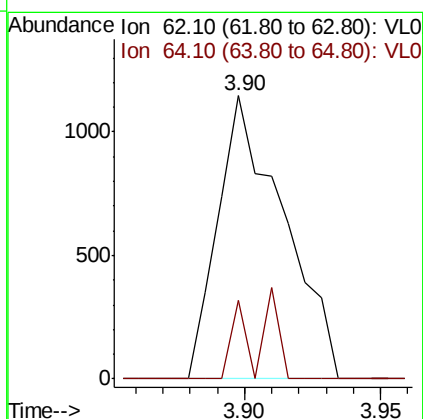
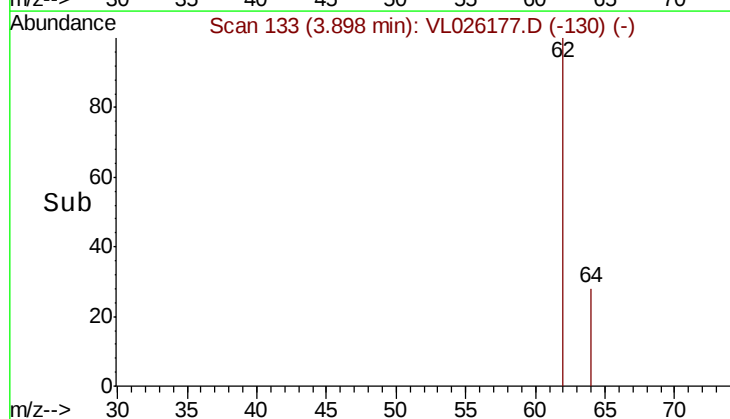
Acq: 9 Oct 2015 14:13

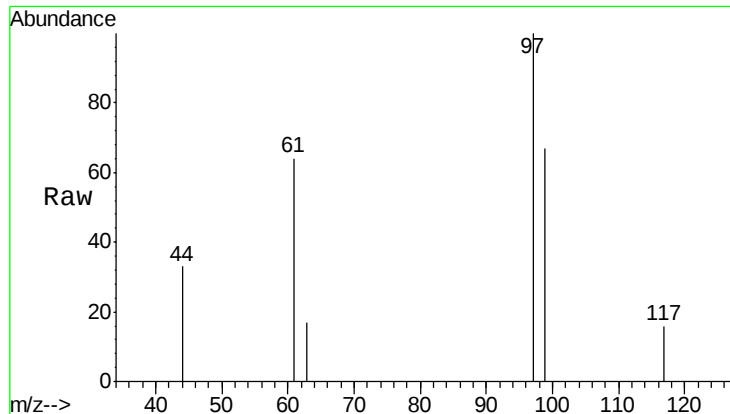
Tgt Ion: 62 Resp: 1912

Ion Ratio Lower Upper

62 100

64 27.7 25.6 38.4





#32

1,1,1-Trichloroethane

Concen: 0.030 ppbv

RT: 7.62 min Scan# 743

Delta R.T. 0.01 min

Lab File: VL026177.D

Acq: 9 Oct 2015 14:13

Tot Ion:	97	Resp:	4856
Ion	Ratio	Lower	Upper
97	100		
99	60.4	51.3	76.9
61	51.5	38.7	58.1

Instrument :

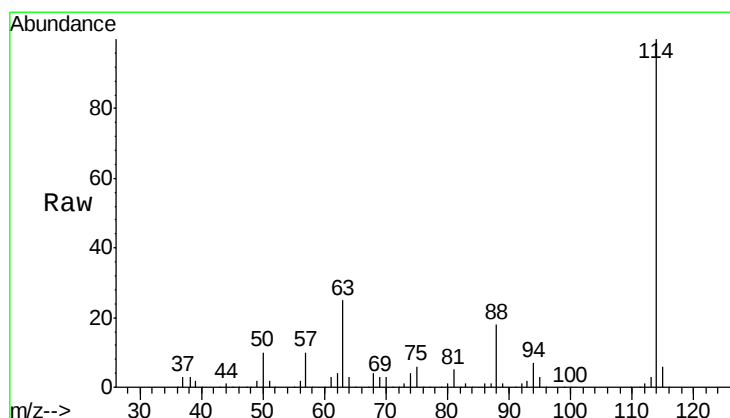
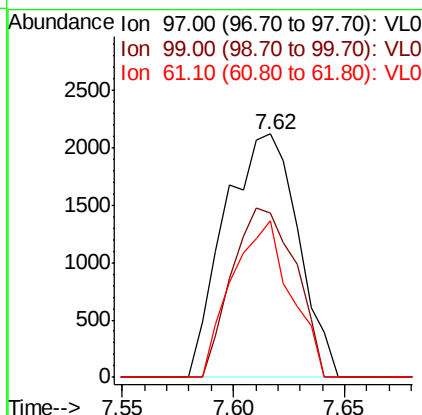
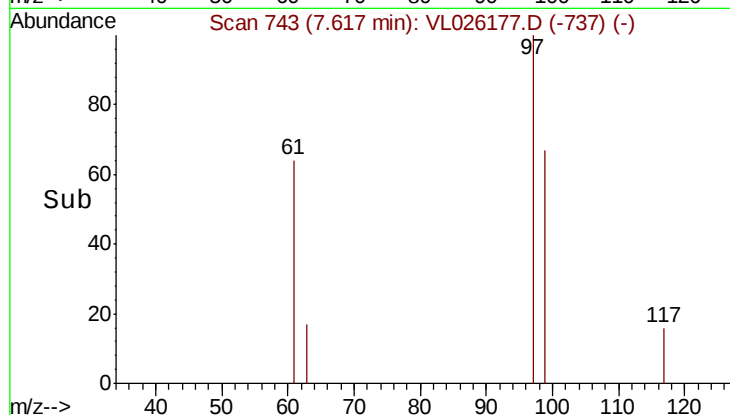
MSVOA_L

ClientSampleId :

VSTDIC0.03

Manual Integrations
APPROVED

MMdadoda
10/12/2015 1:25:23 PM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

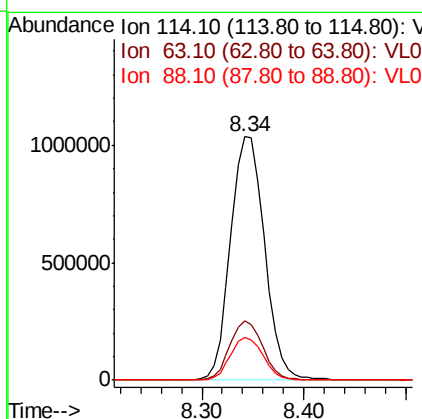
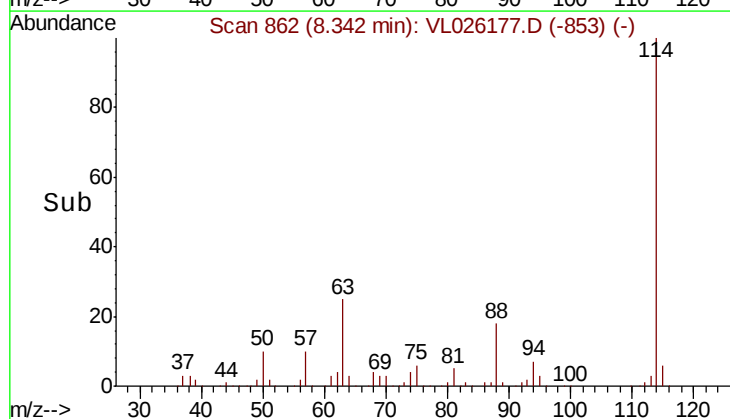
RT: 8.34 min Scan# 862

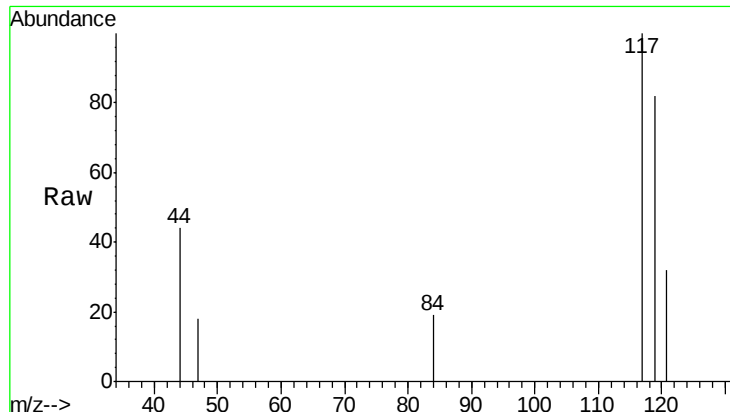
Delta R.T. 0.01 min

Lab File: VL026177.D

Acq: 9 Oct 2015 14:13

Tgt Ion:	114	Resp:	2403613
Ion	Ratio	Lower	Upper
114	100		
63	23.6	19.0	28.6
88	17.2	13.8	20.8





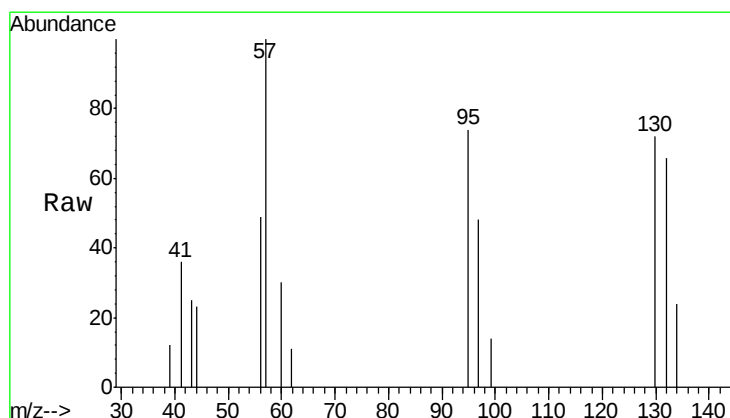
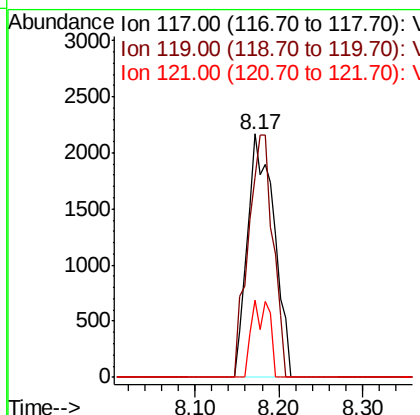
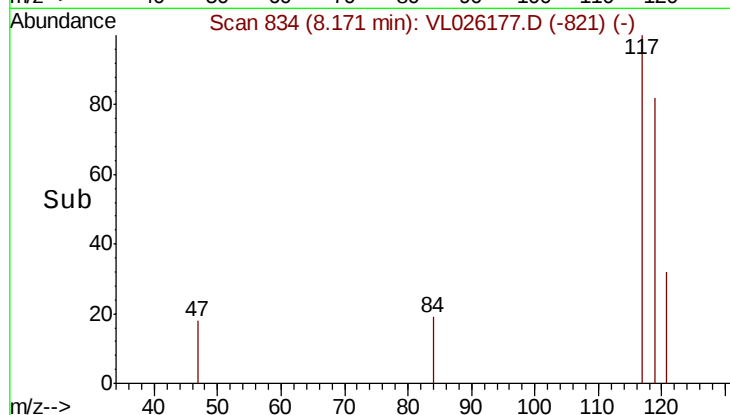
#35
Carbon Tetrachloride
Concen: 0.030 ppbv m
RT: 8.17 min Scan# 834
Delta R.T. 0.00 min
Lab File: VL026177.D
Acq: 9 Oct 2015 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion:117 Resp: 4758
Ion Ratio Lower Upper
117 100
119 82.2 76.6 115.0
121 32.0 25.0 37.4

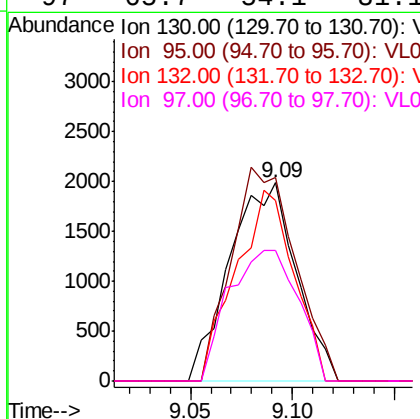
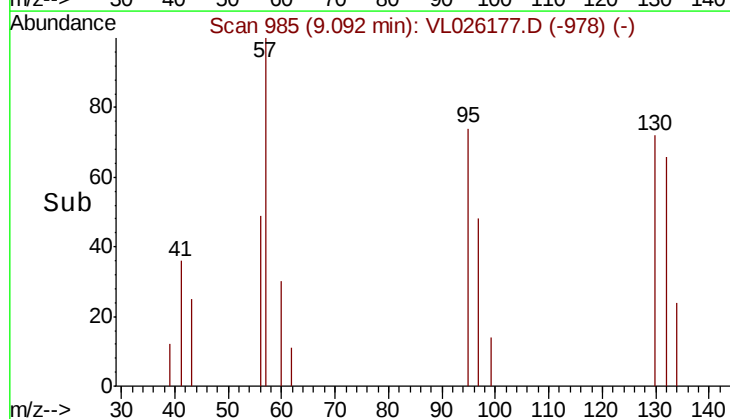
Manual Integrations
APPROVED

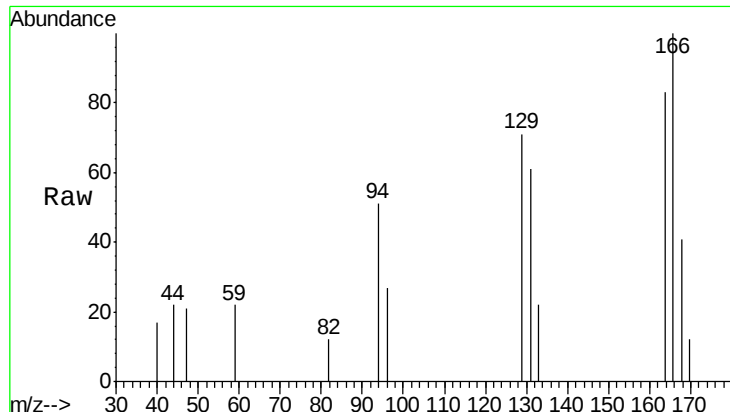
MMdadoda
10/12/2015 1:25:23 PM



#38
Trichloroethene
Concen: 0.041 ppbv
RT: 9.09 min Scan# 985
Delta R.T. 0.02 min
Lab File: VL026177.D
Acq: 9 Oct 2015 14:13

Tgt Ion:130 Resp: 4500
Ion Ratio Lower Upper
130 100
95 102.8 84.9 127.3
132 91.2 76.8 115.2
97 65.7 54.1 81.1





#52

Tetrachloroethene

Concen: 0.045 ppbv

RT: 12.82 min Scan# 1597

Delta R.T. 0.02 min

Lab File: VL026177.D

Acq: 9 Oct 2015 14:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion:164 Resp: 5189

Ion Ratio Lower Upper

164 100

166 104.9 99.9 149.9

129 71.0 79.1 118.7#

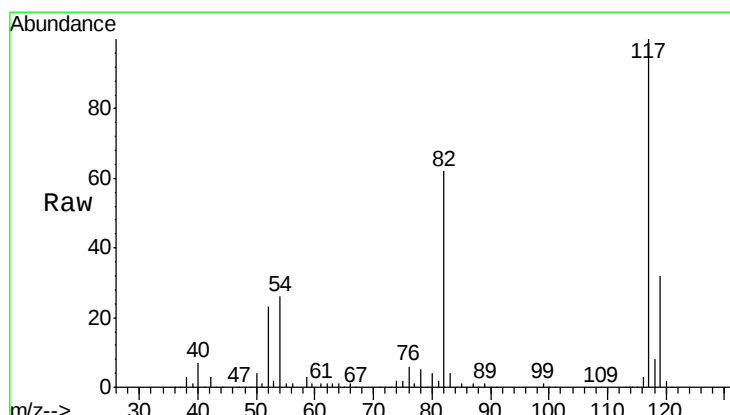
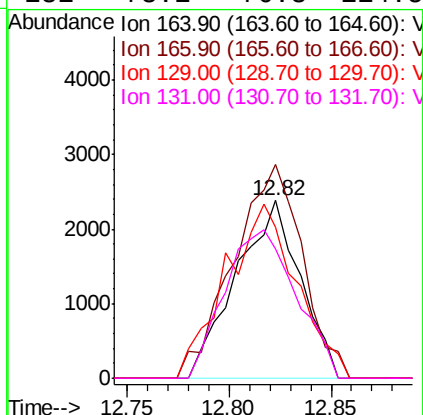
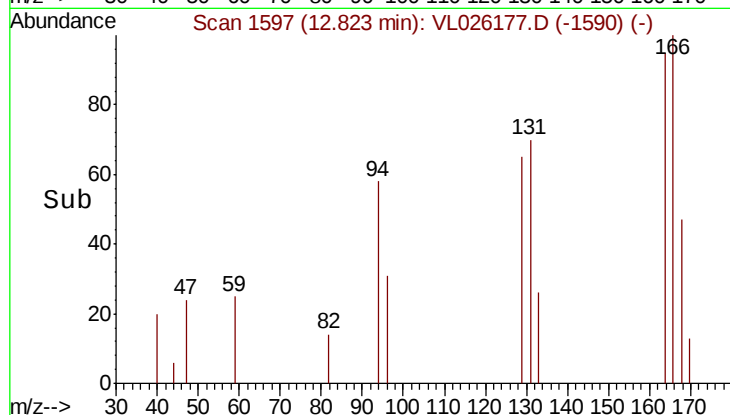
131 73.1 76.3 114.5#

Manual Integrations

APPROVED

MMdadoda

10/12/2015 1:25:23 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 13.77 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VL026177.D

Acq: 9 Oct 2015 14:13

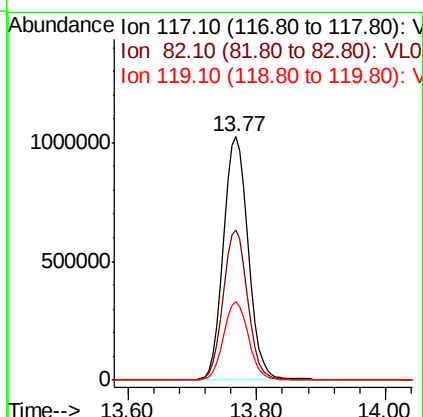
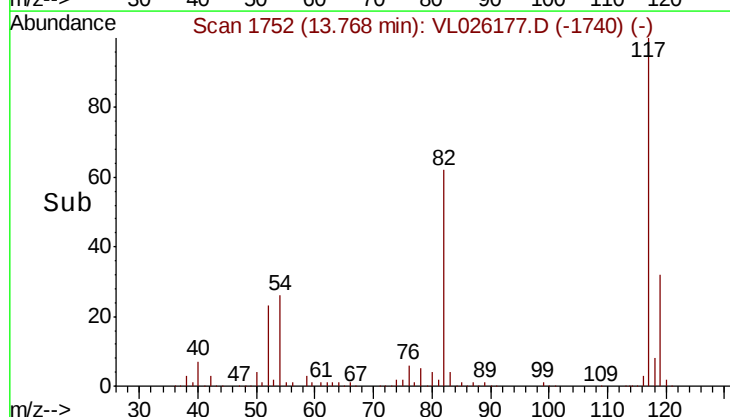
Tgt Ion:117 Resp: 2809176

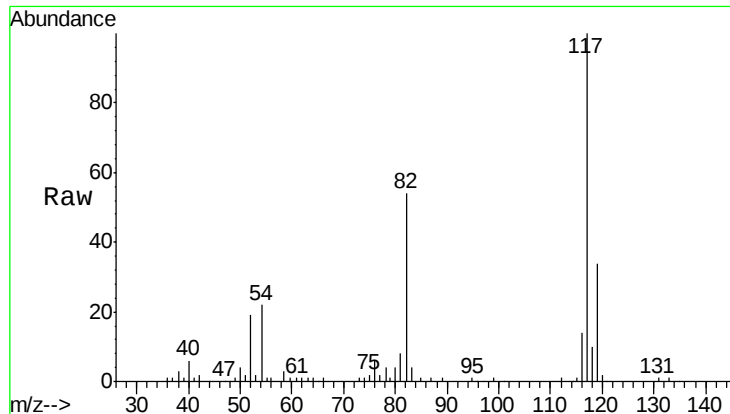
Ion Ratio Lower Upper

117 100

82 61.5 47.7 71.5

119 32.6 43.7 65.5#





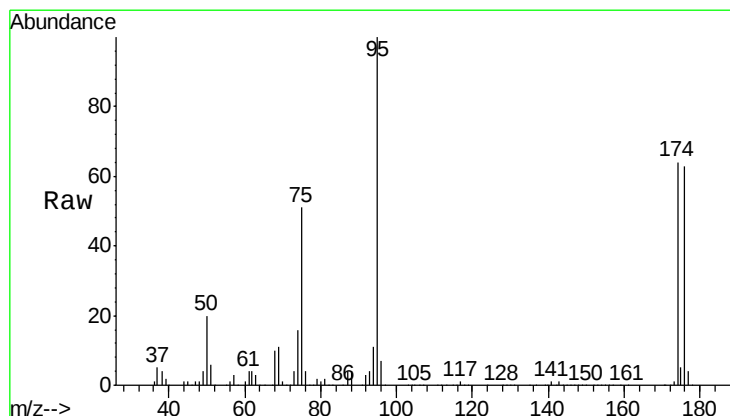
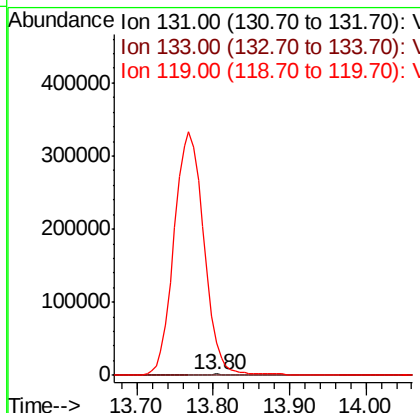
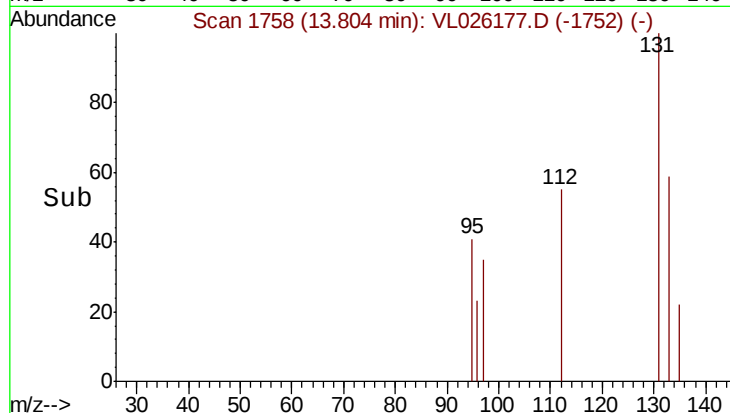
#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.031 ppbv m
 RT: 13.80 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VL026177.D
 Acq: 9 Oct 2015 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion:131 Resp: 3653
 Ion Ratio Lower Upper
 131 100
 133 0.0 76.5 114.7#
 119 0.0 116.0 174.0#

Manual Integrations
 APPROVED

MMdadoda
 10/12/2015 1:25:23 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.504 ppbv
 RT: 16.31 min Scan# 2169
 Delta R.T. 0.01 min
 Lab File: VL026177.D
 Acq: 9 Oct 2015 14:13

Tgt Ion: 95 Resp: 2178325
 Ion Ratio Lower Upper
 95 100
 174 64.5 52.2 78.4
 175 4.7 3.9 5.9

