Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL070715\
Data File : VL025609.D
Acq On : 7 Jul 2015 13:52
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
sam
7/8/2015 11:06:02 AM

Quant Time: Jul 08 01:19:40 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 0
QLast Update : Tue Jul 07 13:08:42 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.65	49	550814	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.32	114	1448251	10.00	ppbv		0.00
55) Chlorobenzene-d5	13.74	117	1876970	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.29	95	1621576	10.46	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.60%				
Target Compounds							Qvalue
5) Vinyl Chloride	3.89	62	1050	0.03	ppbv	#	43
32) 1,1,1-Trichloroethane	7.59	97	4425m	0.03	ppbv		
35) Carbon Tetrachloride	8.16	117	4791	0.04	ppbv		87
38) Trichloroethene	9.06	130	1903	0.03	ppbv	#	80
52) Tetrachloroethene	12.79	164	1739	0.03	ppbv		94
63) 1,1,2,2-Tetrachloroethane	15.49	83	6364	0.03	ppbv	#	87

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

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL070715\
Data File : VL025609.D
Acq On : 7 Jul 2015 13:52
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
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MSVOA_L
ClientSampleId :
VSTDICC0.03

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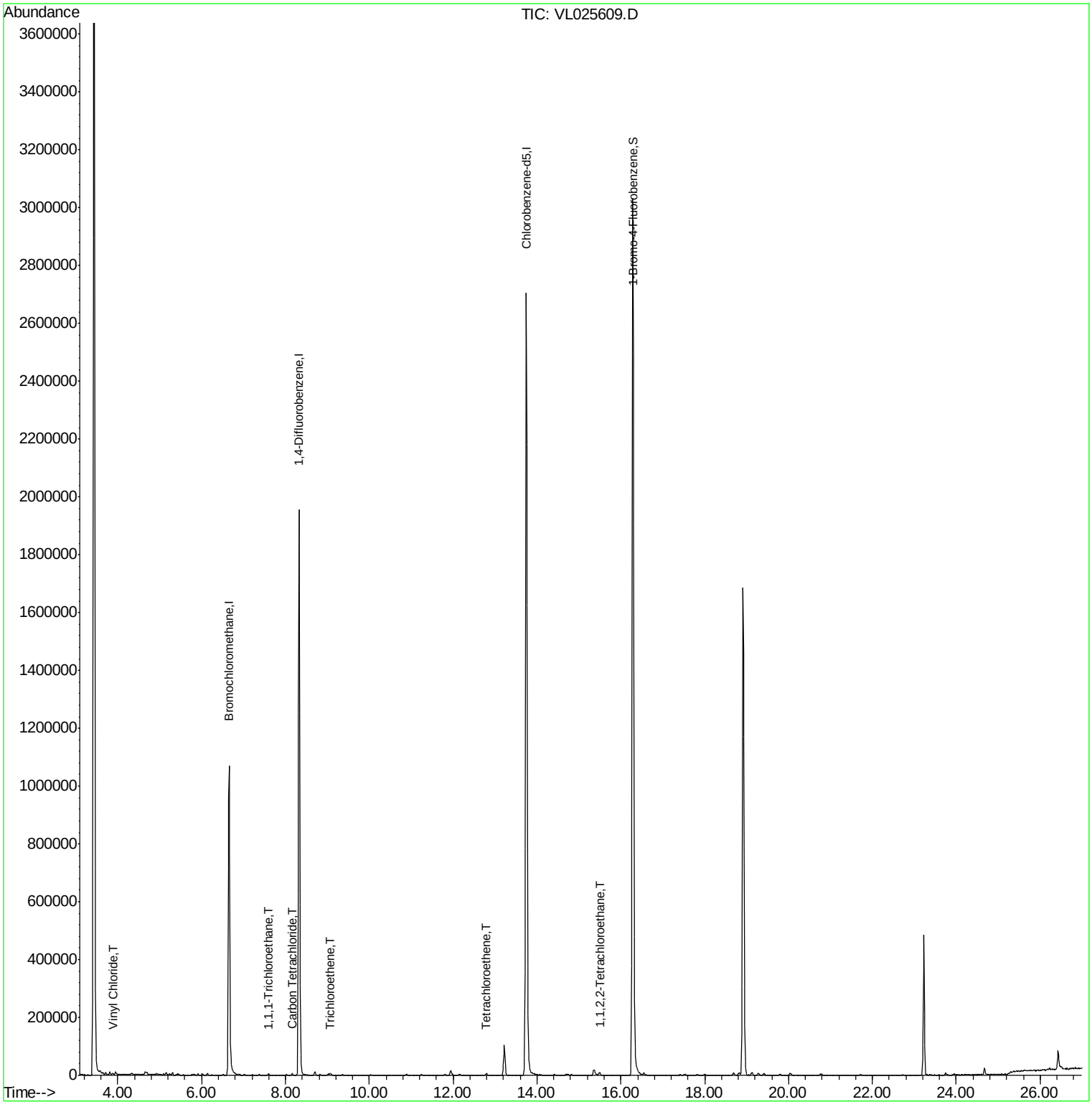
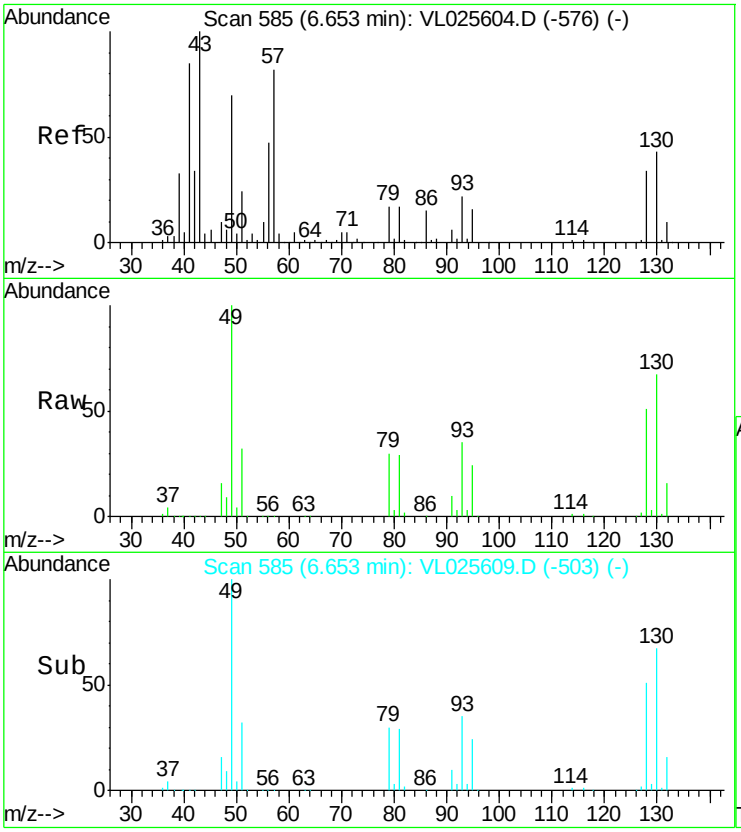
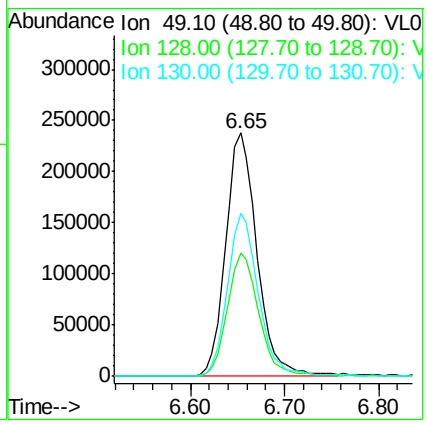




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.65 min Scan# 585
Delta R.T. -0.00 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion: 49 Resp: 550814

Ion	Ratio	Lower	Upper
49	100		
128	51.3	25.4	76.0
130	67.3	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED
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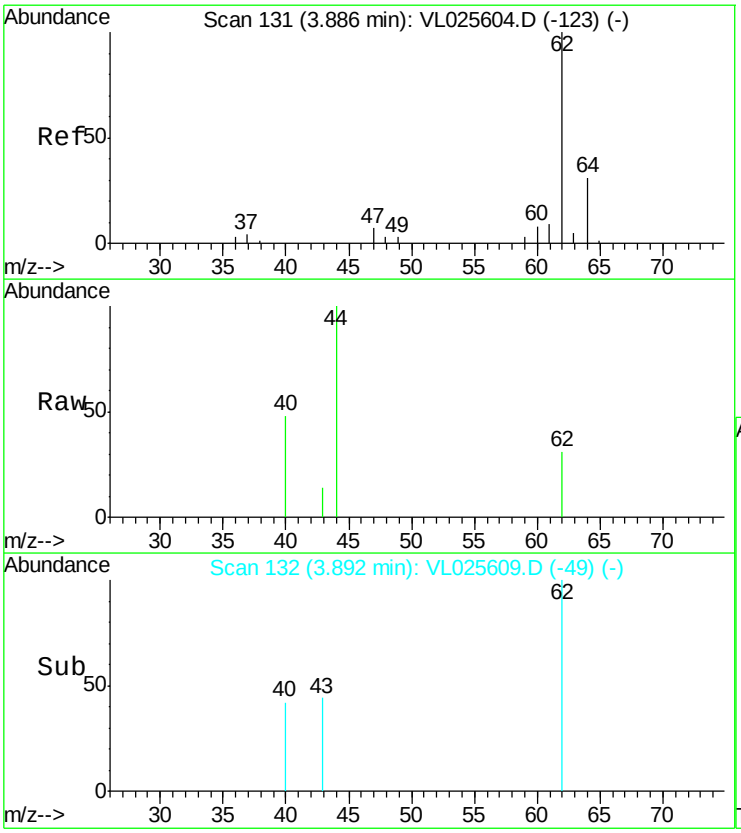
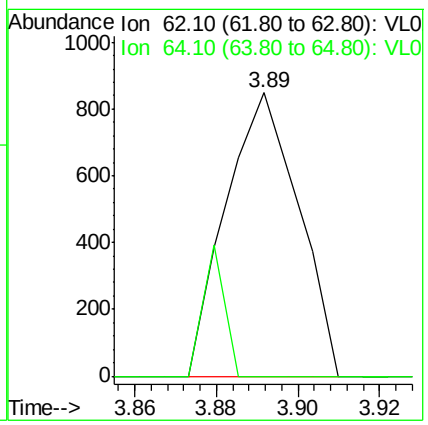
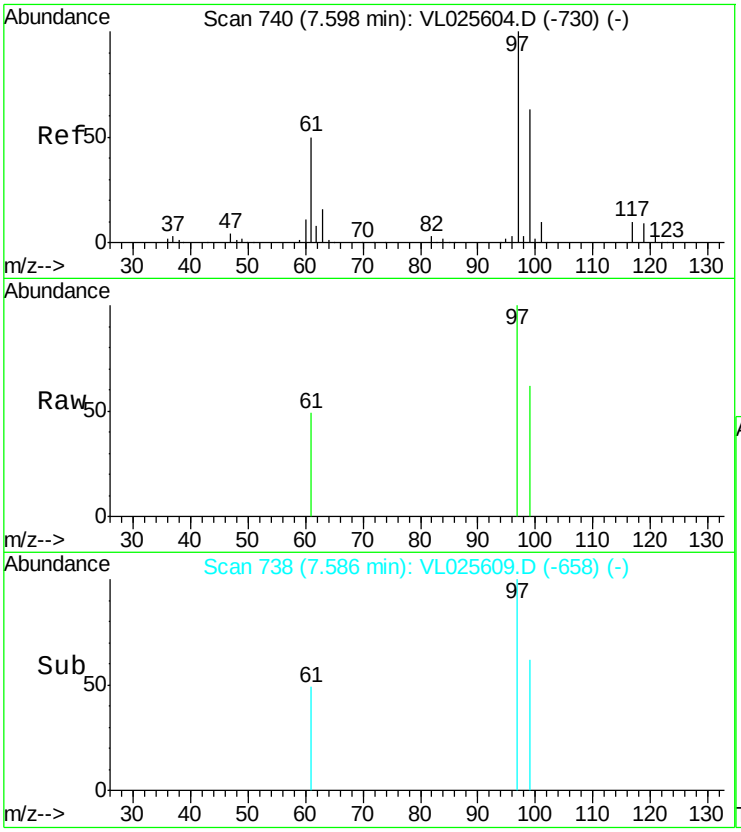


#5
Vinyl Chloride
Concen: 0.03 ppbv
RT: 3.89 min Scan# 132
Delta R.T. 0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion: 62 Resp: 1050

Ion	Ratio	Lower	Upper
62	100		
64	0.0	25.0	37.6#

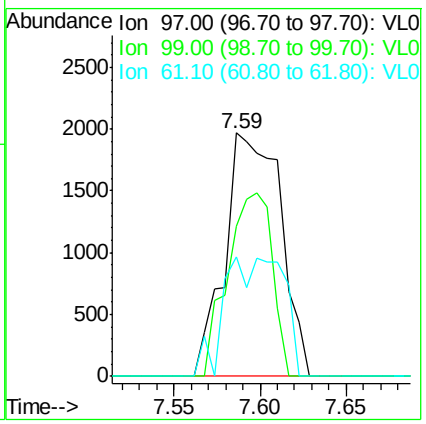




#32
1,1,1-Trichloroethane
Concen: 0.03 ppbv m
RT: 7.59 min Scan# 738
Delta R.T. -0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion: 97 Resp: 4425

Ion	Ratio	Lower	Upper
97	100		
99	60.6	51.2	76.8
61	52.4	40.4	60.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED
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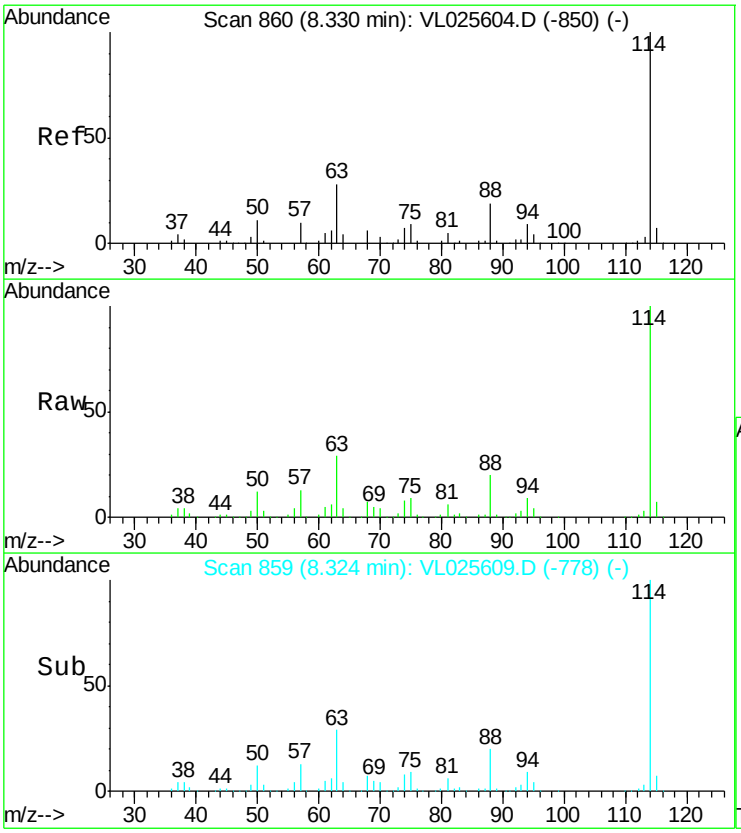
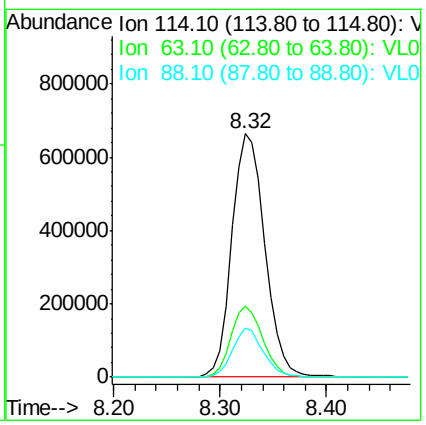
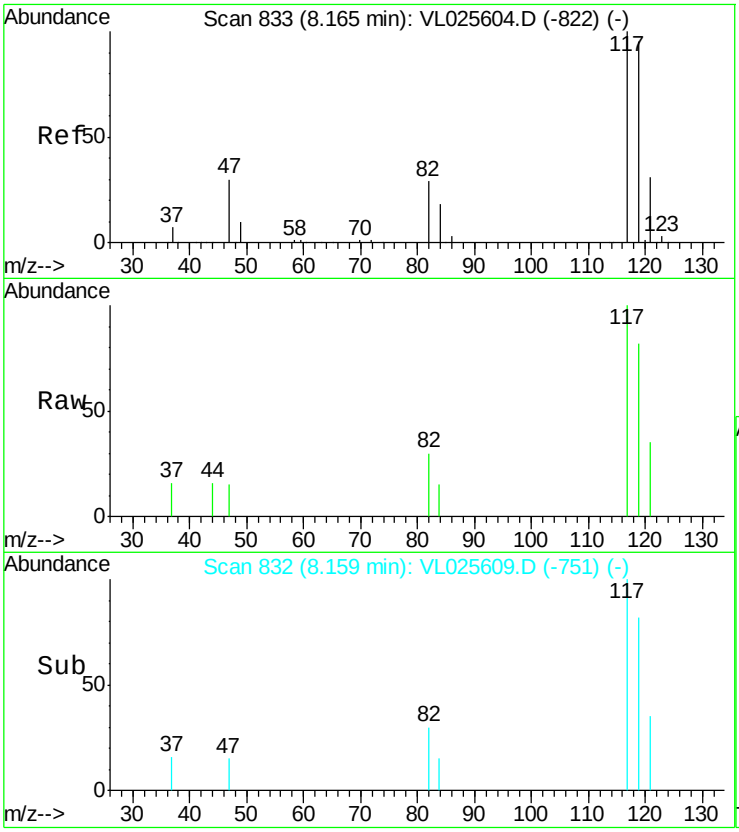


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.32 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion:114 Resp: 1448251

Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.4	33.6
88	18.8	15.0	22.4

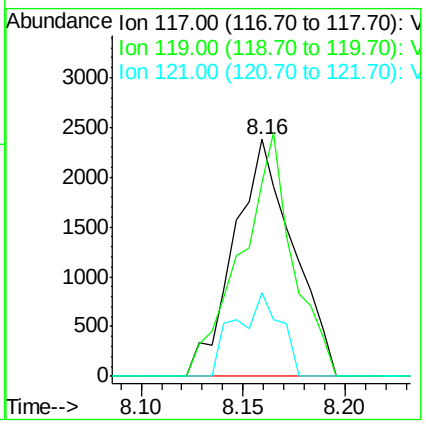




#35
Carbon Tetrachloride
Concen: 0.04 ppbv
RT: 8.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion:117 Resp: 4791

Ion	Ratio	Lower	Upper
117	100		
119	81.5	75.9	113.9
121	35.4	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED
sam
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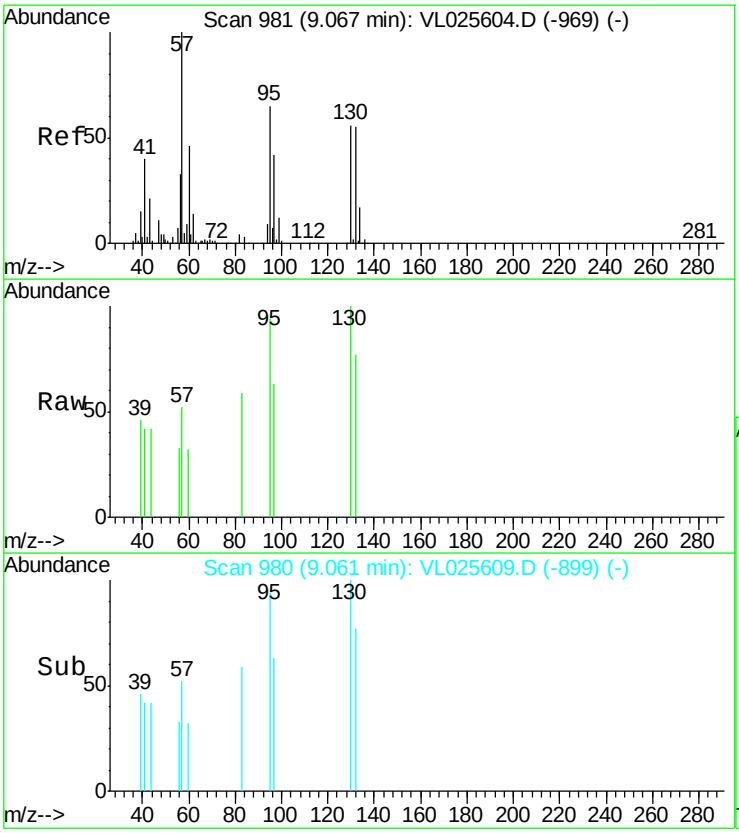
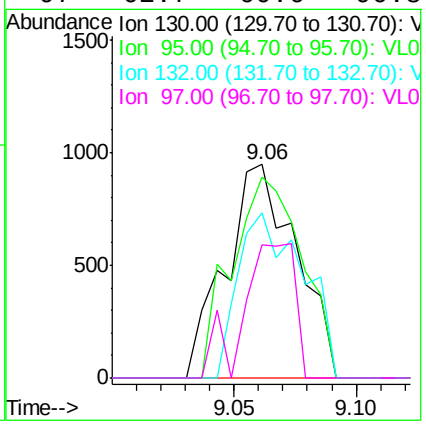
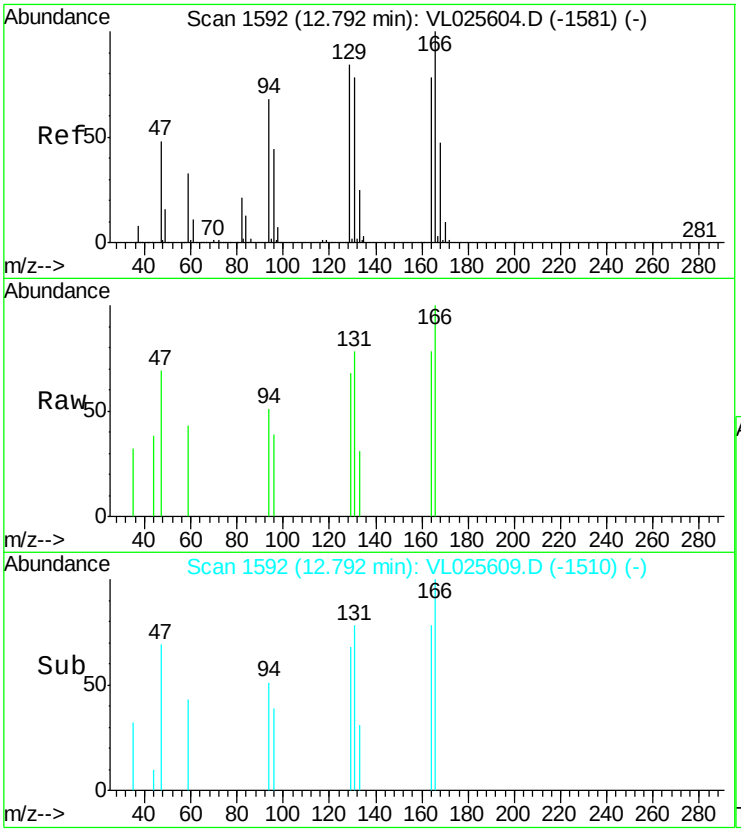


#38
Trichloroethene
Concen: 0.03 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion:130 Resp: 1903

Ion	Ratio	Lower	Upper
130	100		
95	93.9	94.2	141.4#
132	77.3	78.6	118.0#
97	62.7	60.6	90.8

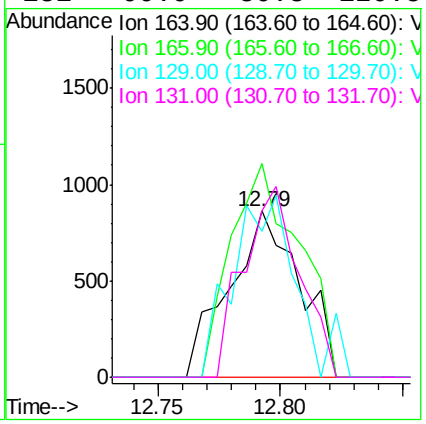




#52
Tetrachloroethene
Concen: 0.03 ppbv
RT: 12.79 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion:164 Resp: 1739

Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.3	153.5
129	87.8	86.2	129.4
131	99.9	80.3	120.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED
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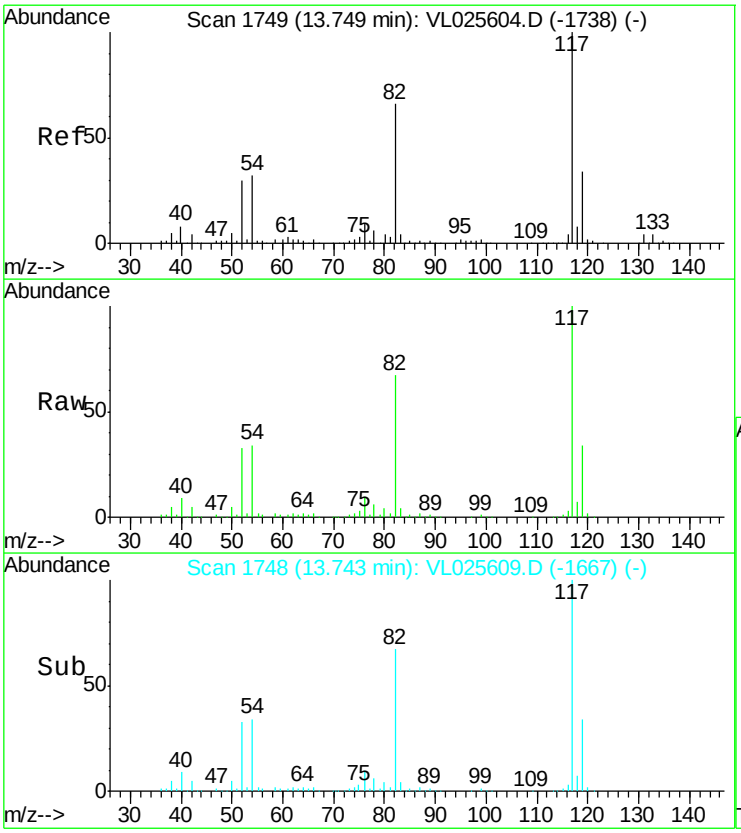
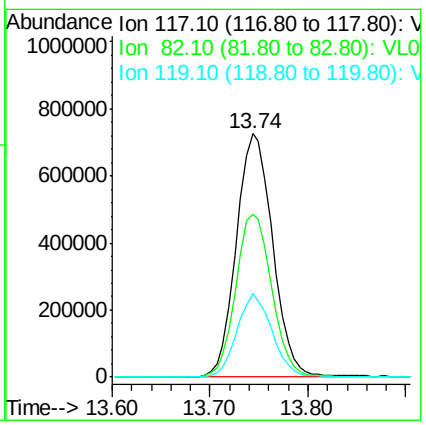
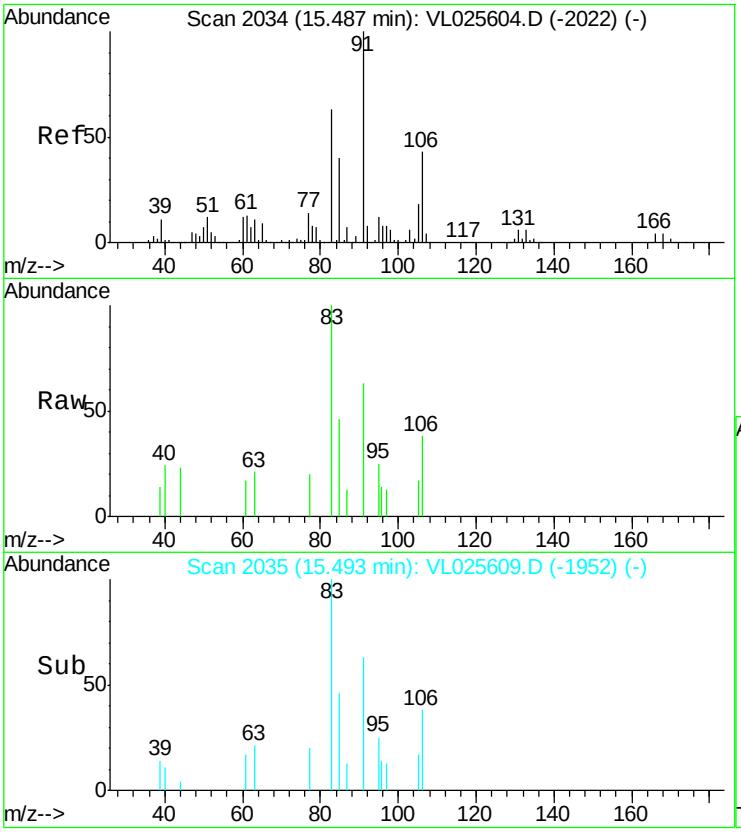


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion:117 Resp: 1876970

Ion	Ratio	Lower	Upper
117	100		
82	67.0	50.5	75.7
119	33.2	45.1	67.7#

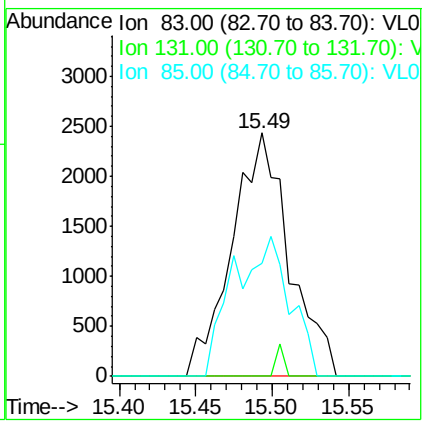




#63
1,1,2,2-Tetrachloroethane
Concen: 0.03 ppbv
RT: 15.49 min Scan# 2035
Delta R.T. 0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

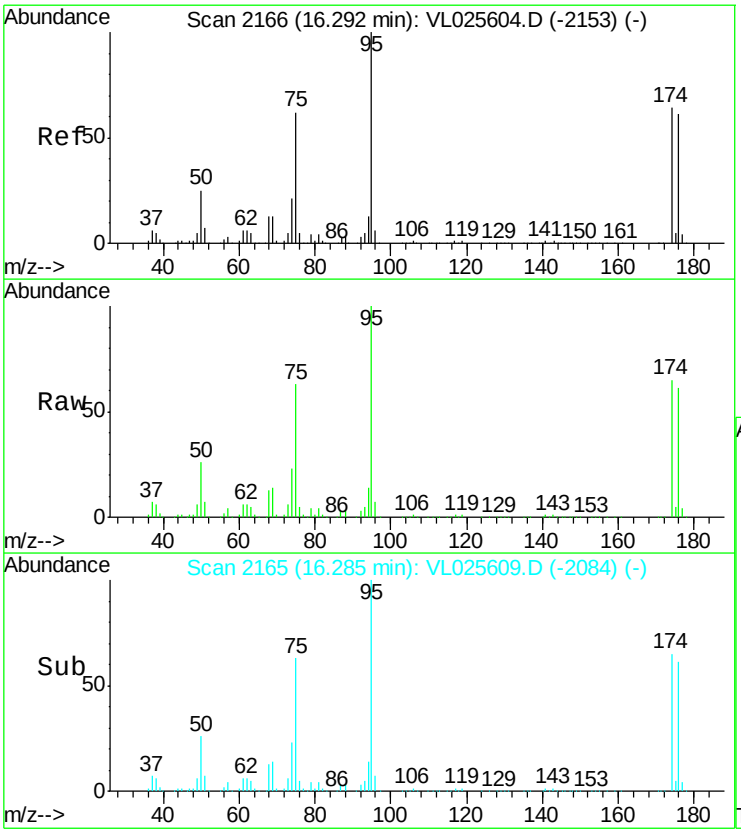
Tgt Ion: 83 Resp: 6364

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.4#
85	56.3	32.4	97.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED
sam
7/8/2015 11:06:02 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.46 ppbv
RT: 16.29 min Scan# 2165
Delta R.T. -0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion: 95 Resp: 1621576

Ion	Ratio	Lower	Upper
95	100		
174	64.7	52.0	78.0
175	4.9	3.9	5.9