

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062918\
 Data File : VL032150.D
 Acq On : 29 Jun 2018 21:14
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

MMDadoda
 7/2/2018 4:25:07 PM

Quant Time: Jun 29 21:50:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 2018
 QLast Update : Fri Jun 29 20:36:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1819357	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	4379837	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	4064155	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.68	95	3030498	10.03	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.36	62	3929	0.03	ppbv	# 76
32) 1,1,1-Trichloroethane	6.71	97	10917m	0.03	ppbv	
35) Carbon Tetrachloride	7.23	117	10616m	0.03	ppbv	
38) Trichloroethene	8.06	130	6070m	0.03	ppbv	
52) Tetrachloroethene	11.48	164	6098m	0.03	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.94	83	17210m	0.04	ppbv	

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

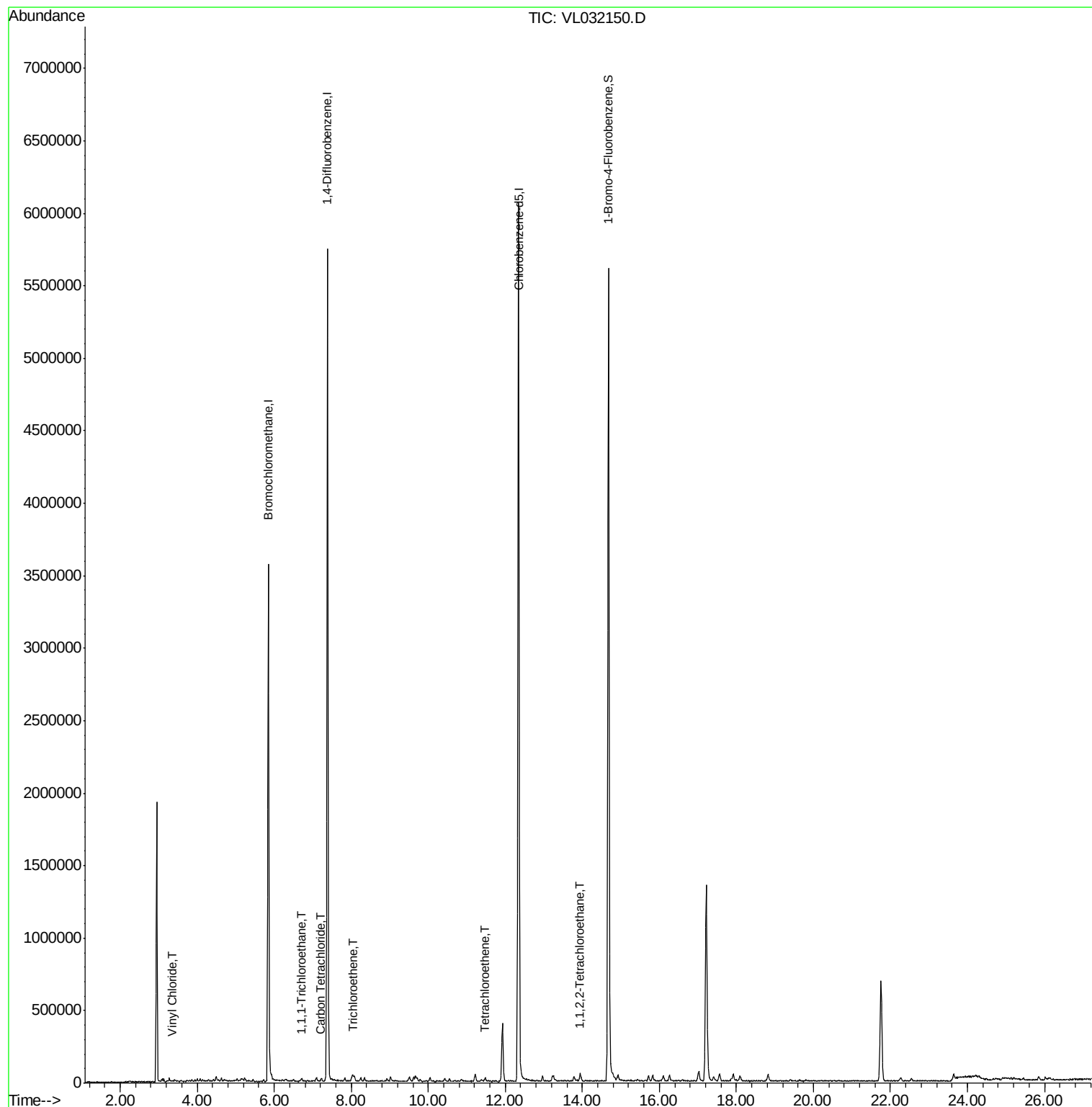
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062918\
Data File : VL032150.D
Acq On : 29 Jun 2018 21:14
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

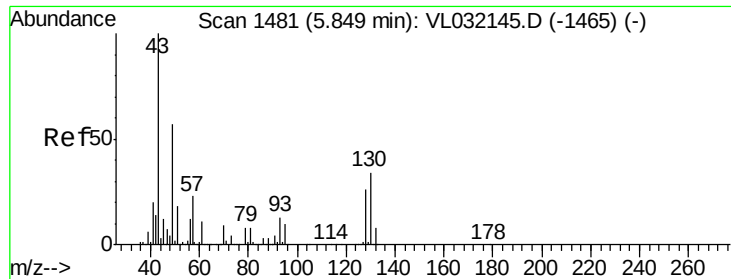
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

MMDadoda
7/2/2018 4:25:07 PM

Quant Time: Jun 29 21:50:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
QLast Update : Fri Jun 29 20:36:18 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.85 min Scan# 1480

Delta R.T. -0.02 min

Lab File: VL032150.D

Acq: 29 Jun 2018 21:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1819357

Ion Ratio Lower Upper

49 100

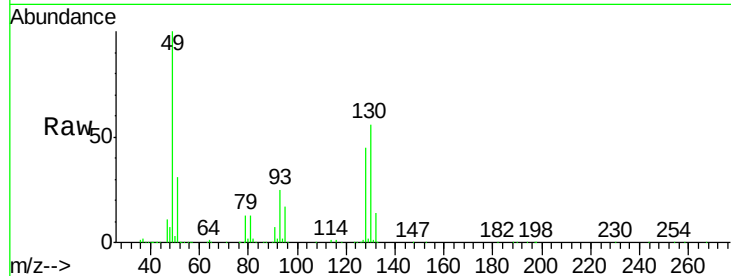
128 46.0 23.4 70.0

130 58.7 30.3 90.9

Manual Integrations
APPROVED

MMDadoda

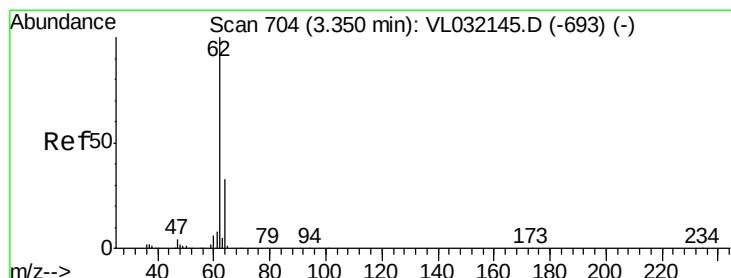
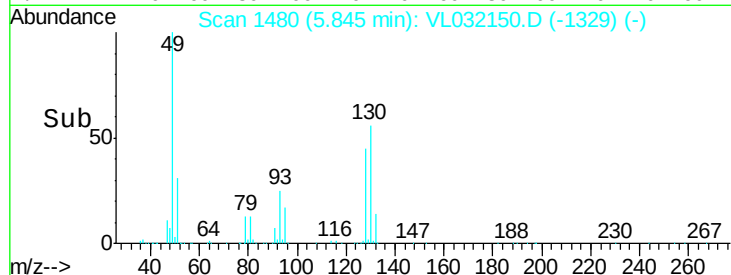
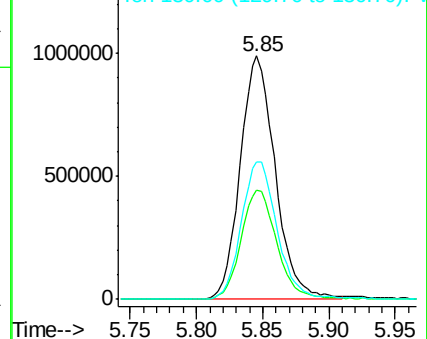
7/2/2018 4:25:07 PM



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



#5

Vinyl Chloride

Concen: 0.03 ppbv

RT: 3.36 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL032150.D

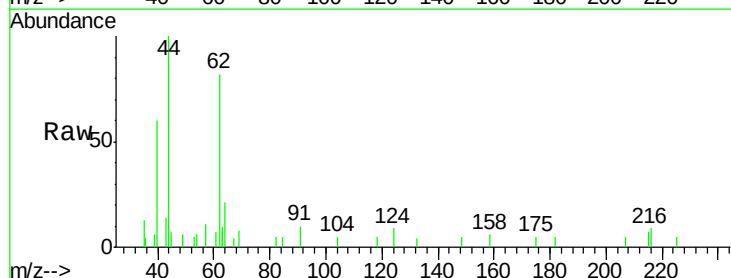
Acq: 29 Jun 2018 21:14

Tgt Ion: 62 Resp: 3929

Ion Ratio Lower Upper

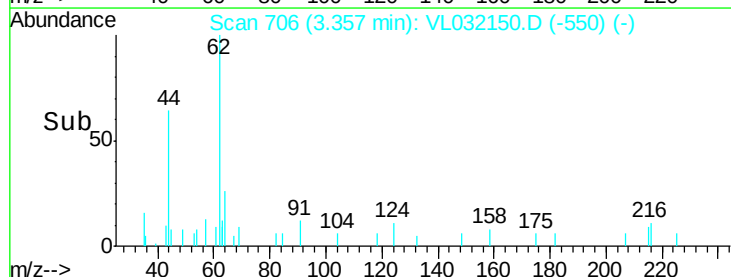
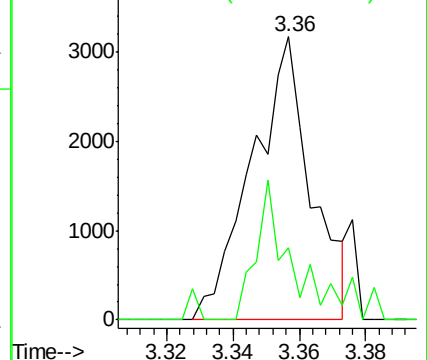
62 100

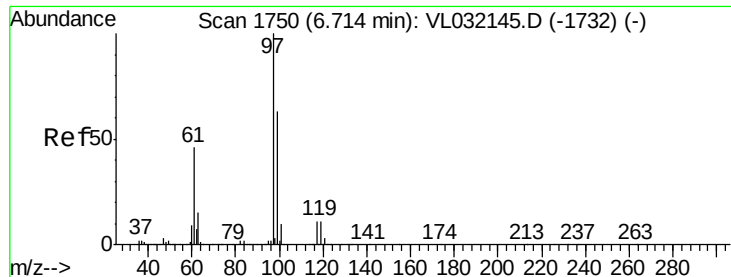
64 18.9 26.1 39.1#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#32

1,1,1-Trichloroethane

Concen: 0.03 ppbv m

RT: 6.71 min Scan# 1749

Delta R.T. -0.01 min

Lab File: VL032150.D

Acq: 29 Jun 2018 21:14

Instrument :

MSVOA_L

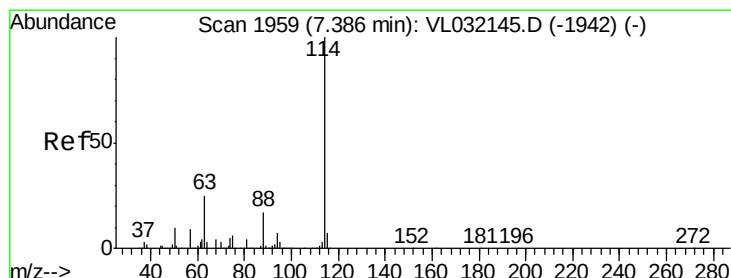
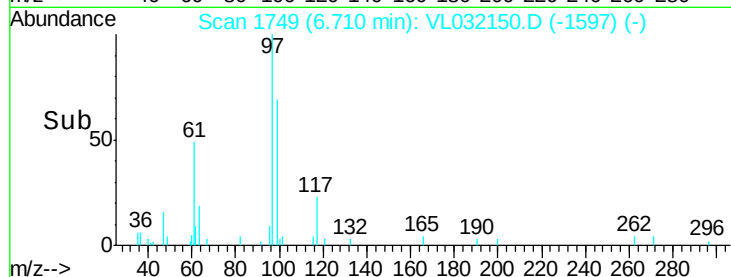
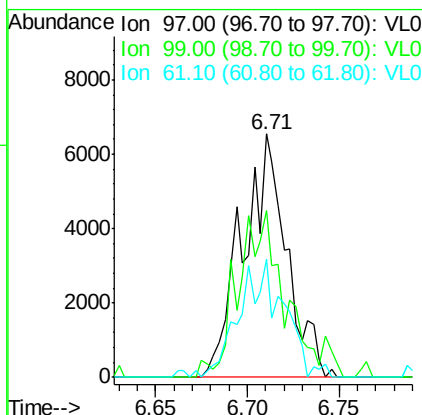
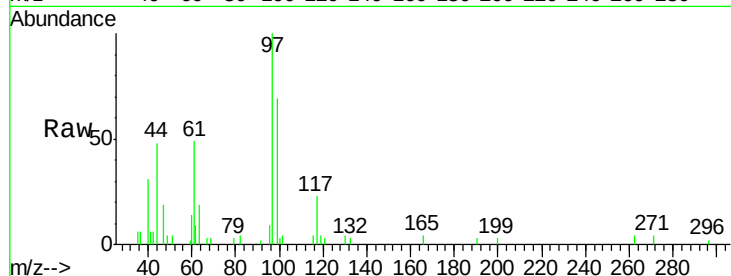
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	10917
Ion	Ratio	Lower	Upper
97	100		
99	75.6	51.3	76.9
61	49.6	38.4	57.6

Manual Integrations
APPROVED

MMDadoda
7/2/2018 4:25:07 PM



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

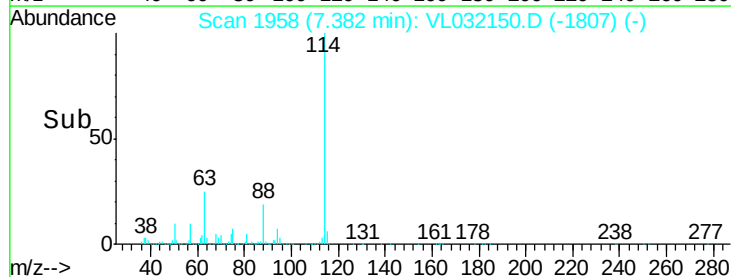
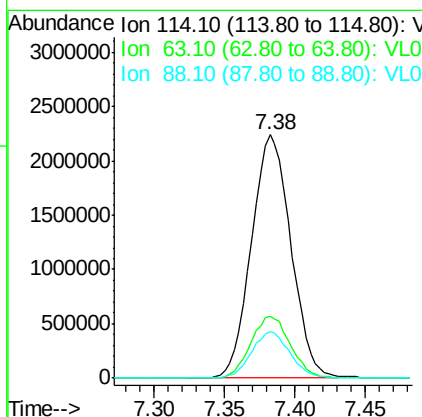
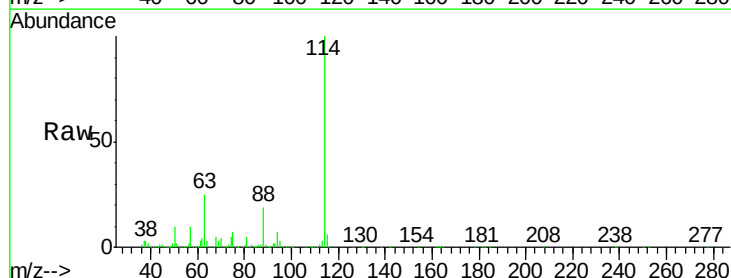
RT: 7.38 min Scan# 1958

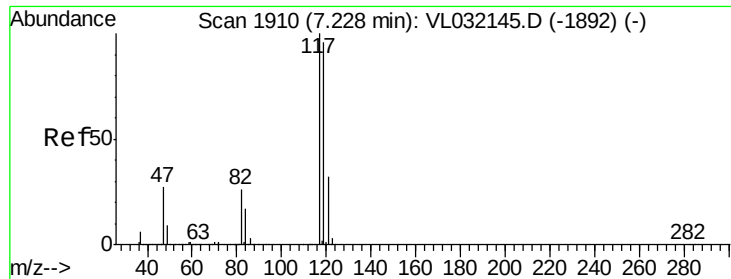
Delta R.T. -0.02 min

Lab File: VL032150.D

Acq: 29 Jun 2018 21:14

Tgt Ion:	114	Resp:	4379837
Ion	Ratio	Lower	Upper
114	100		
63	25.7	19.1	28.7
88	18.6	13.9	20.9





#35

Carbon Tetrachloride

Concen: 0.03 ppbv m

RT: 7.23 min Scan# 1910

Delta R.T. -0.01 min

Lab File: VL032150.D

Acq: 29 Jun 2018 21:14

Instrument :

MSVOA_L

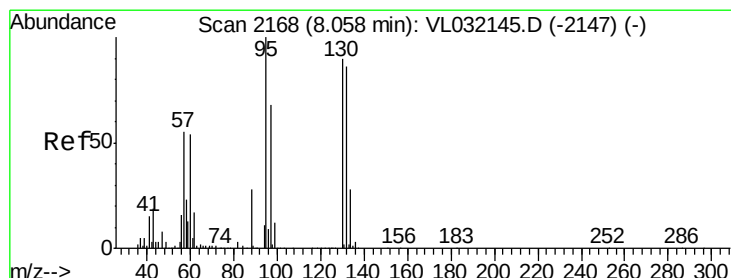
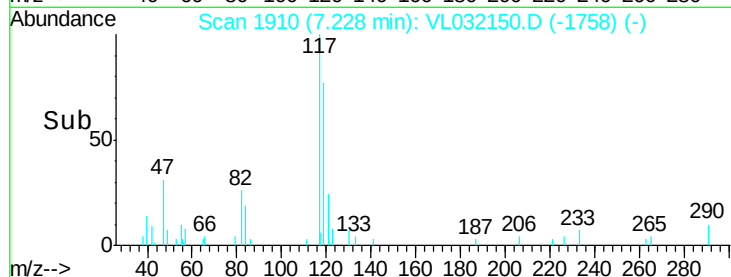
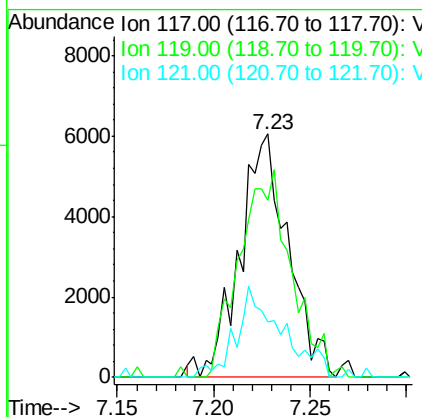
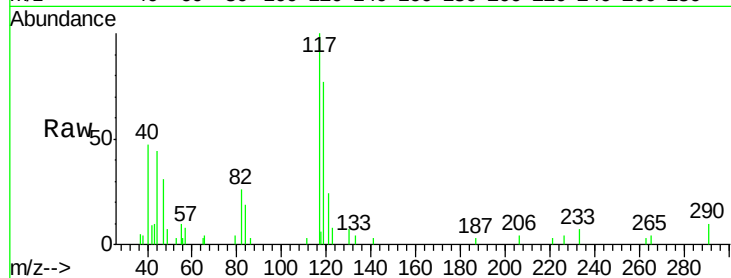
ClientSampleId :

VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	77.2	74.8	112.2
121	23.9	24.0	36.0#

Manual Integrations
APPROVED

MMDadoda
7/2/2018 4:25:07 PM



#38

Trichloroethene

Concen: 0.03 ppbv m

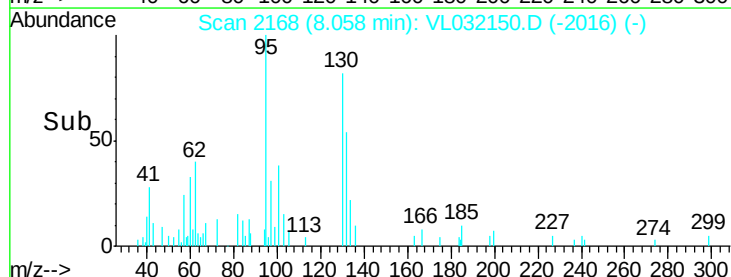
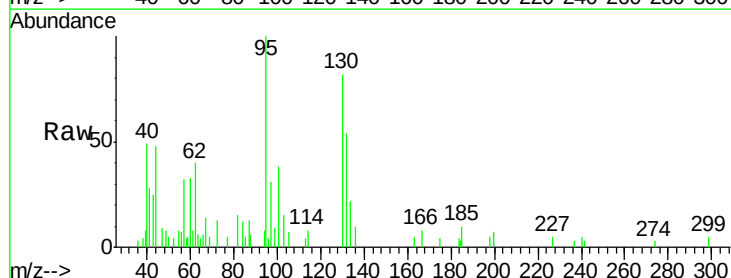
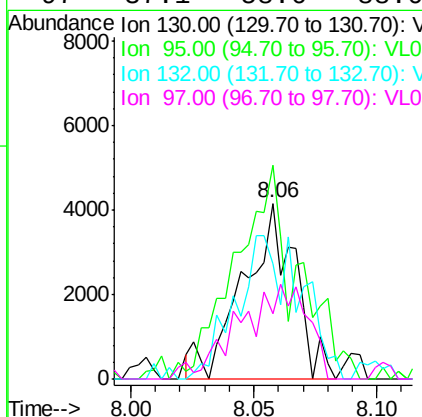
RT: 8.06 min Scan# 2168

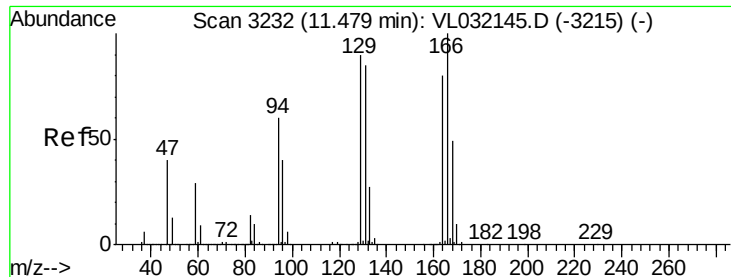
Delta R.T. -0.01 min

Lab File: VL032150.D

Acq: 29 Jun 2018 21:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	121.4	88.1	132.1
132	65.3	74.6	112.0#
97	37.1	58.6	88.0#





#52

Tetrachloroethene

Concen: 0.03 ppbv m

RT: 11.48 min Scan# 3231

Delta R.T. -0.02 min

Lab File: VL032150.D

Acq: 29 Jun 2018 21:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion:164 Resp: 6098

Ion Ratio Lower Upper

164 100

166 104.2 100.6 151.0

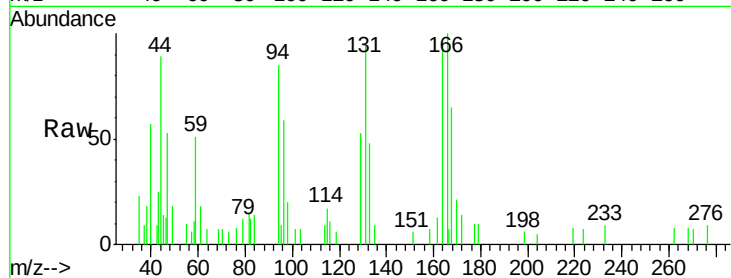
129 55.6 84.0 126.0#

131 98.3 82.7 124.1

Manual Integrations
APPROVED

MMDadoda

7/2/2018 4:25:07 PM

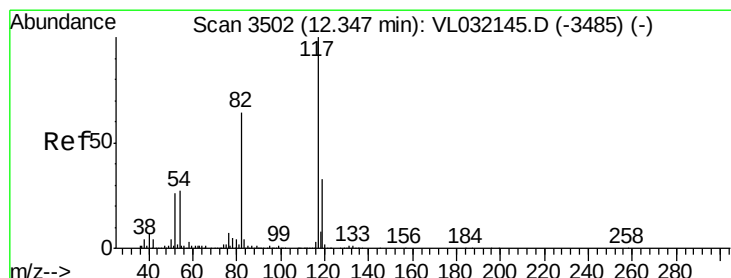
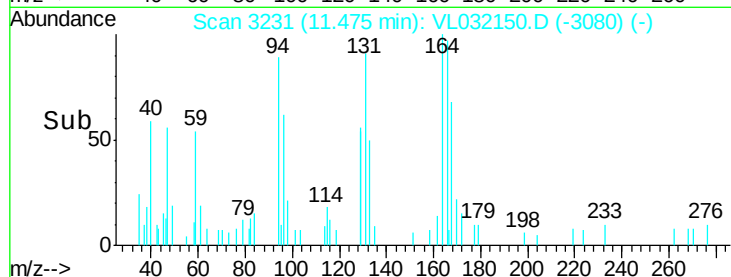
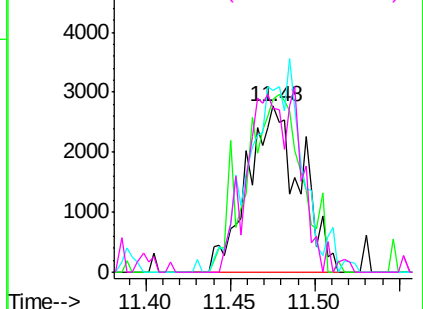


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.34 min Scan# 3501

Delta R.T. -0.02 min

Lab File: VL032150.D

Acq: 29 Jun 2018 21:14

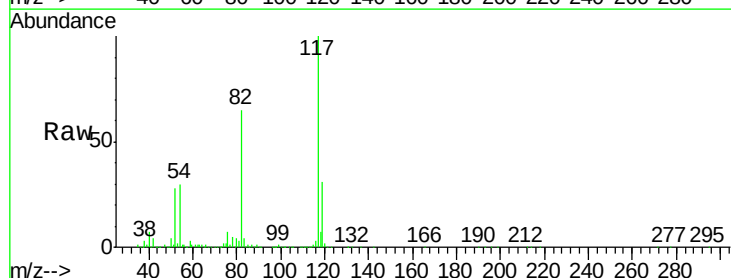
Tgt Ion:117 Resp: 4064155

Ion Ratio Lower Upper

117 100

82 65.9 47.8 71.8

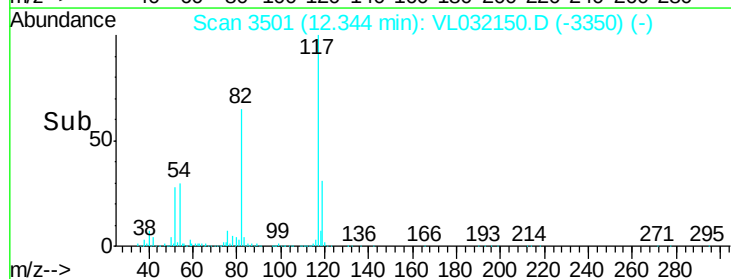
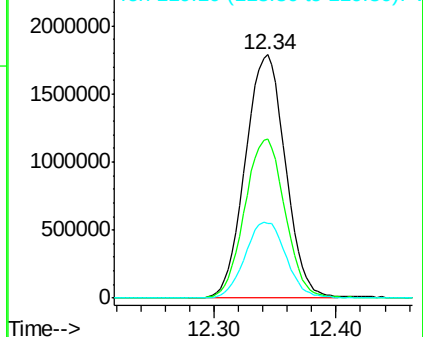
119 32.1 43.3 64.9#

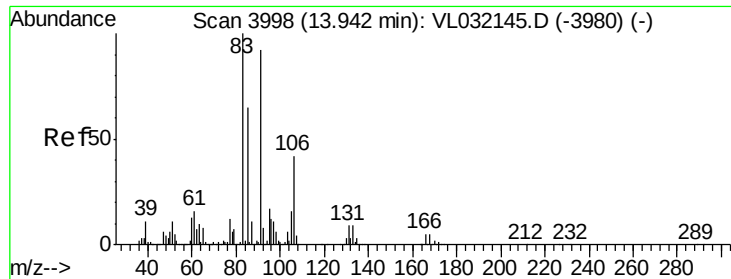


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





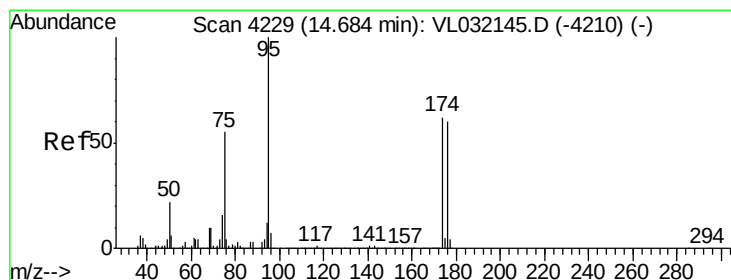
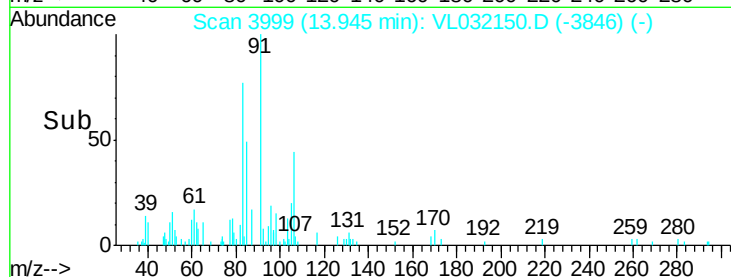
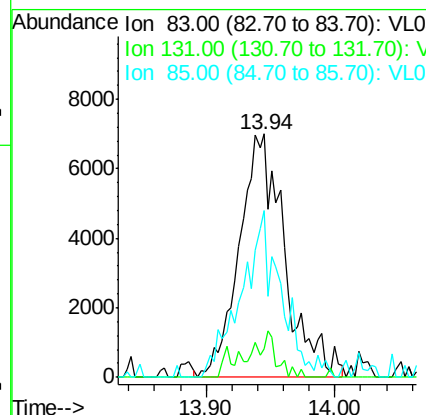
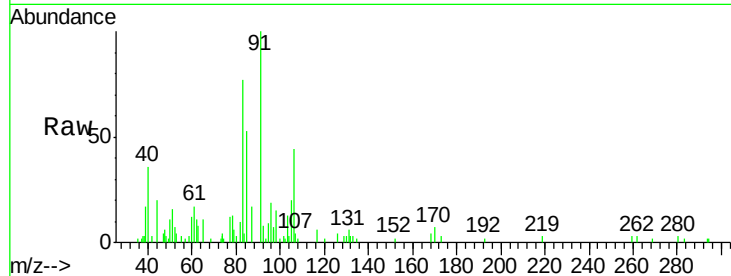
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.04 ppbv m
 RT: 13.94 min Scan# 3999
 Delta R.T. -0.01 min
 Lab File: VL032150.D
 Acq: 29 Jun 2018 21:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	62.7	32.4	97.2

Manual Integrations
 APPROVED

MMDadoda
 7/2/2018 4:25:07 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.03 ppbv
 RT: 14.68 min Scan# 4227
 Delta R.T. -0.02 min
 Lab File: VL032150.D
 Acq: 29 Jun 2018 21:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	59.2	52.1	78.1
175	4.5	4.0	6.0

