

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101818\
 Data File : VL032658.D
 Acq On : 18 Oct 2018 19:18
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
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 10/24/2018 12:04:45 PM

Quant Time: Oct 18 19:45:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 18 19:45:13 2018
 QLast Update : Thu Oct 18 11:41:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1777565	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	4092865	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3974720	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2934442	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.31	62	3372m	0.041	ppbv	
32) 1,1,1-Trichloroethane	6.63	97	9981m	0.034	ppbv	
35) Carbon Tetrachloride	7.16	117	10204m	0.032	ppbv	
38) Trichloroethene	7.98	130	3587m	0.029	ppbv	
52) Tetrachloroethene	11.39	164	3383m	0.031	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.87	83	11306m	0.032	ppbv	

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

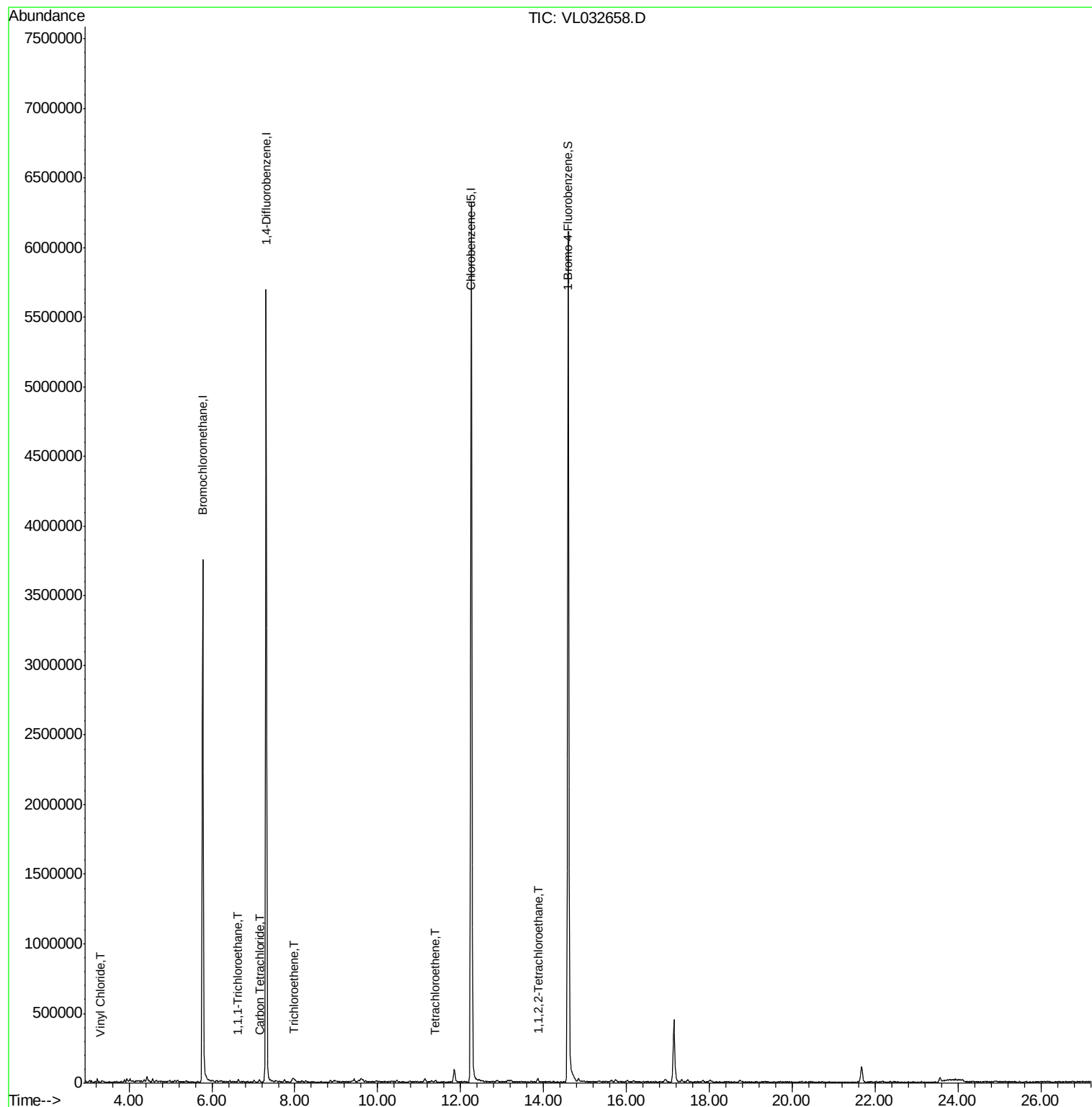
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101818\
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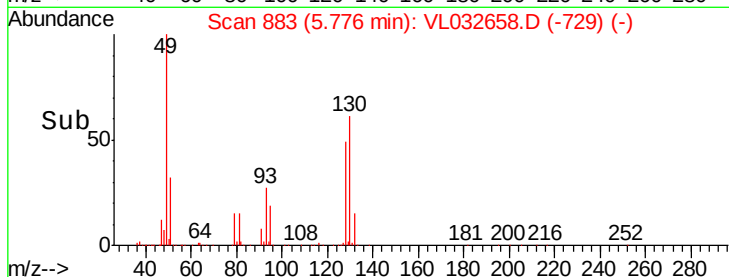
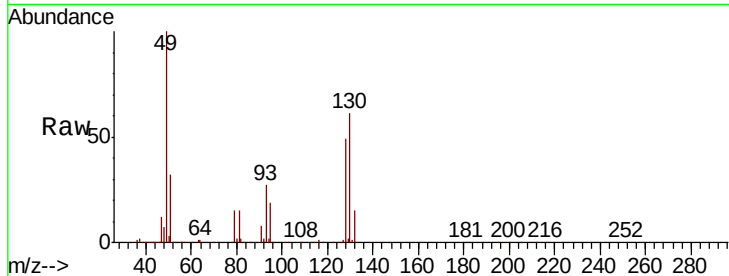
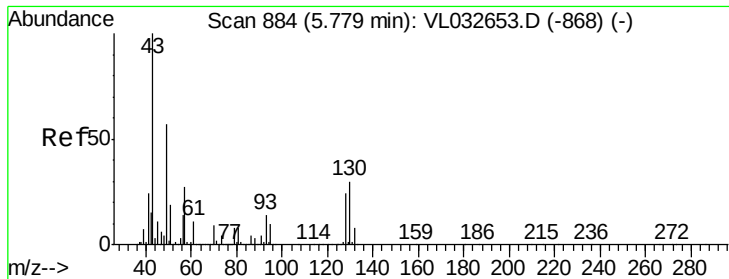
Instrument :
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ClientSampleId :
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Quant Time: Oct 18 19:45:13 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 18 11:41:40 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

Lab File: VL032658.D

Acq: 18 Oct 2018 19:18

Tot Ion: 49 Resp: 1777565

Ion Ratio Lower Upper

49 100

128 49.4 22.3 66.8

130 62.2 28.4 85.3

Instrument :

MSVOA_L

ClientSampleId :

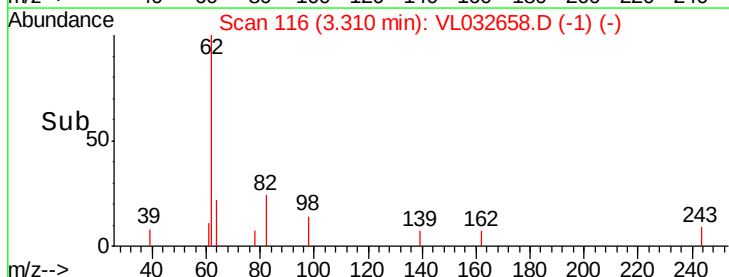
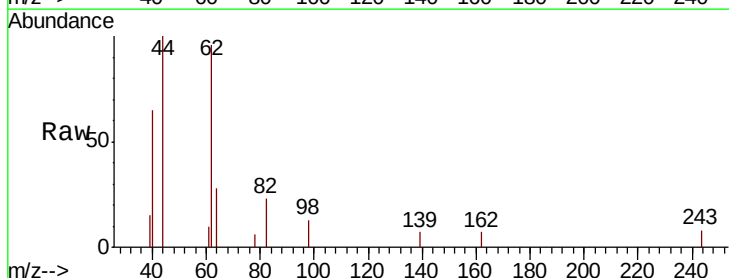
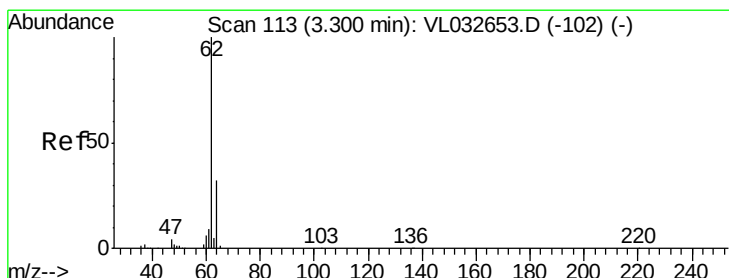
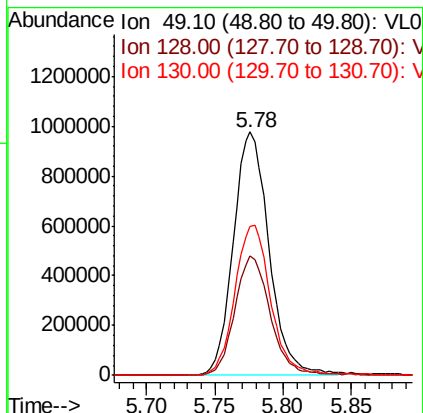
VSTDIC0.03

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#5

Vinyl Chloride

Concen: 0.041 ppbv m

RT: 3.31 min Scan# 116

Delta R.T. 0.01 min

Lab File: VL032658.D

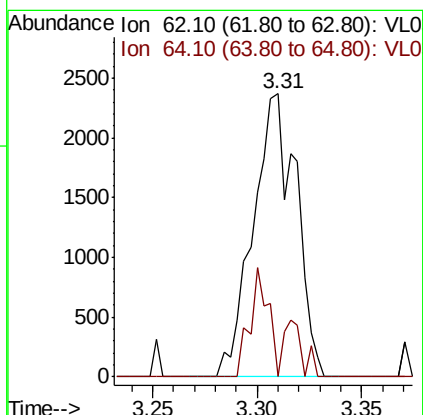
Acq: 18 Oct 2018 19:18

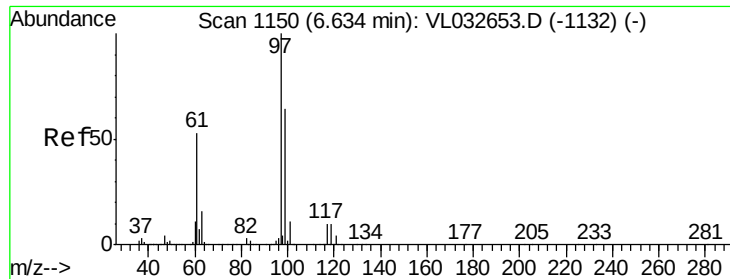
Tgt Ion: 62 Resp: 3372

Ion Ratio Lower Upper

62 100

64 0.0 25.5 38.3#





#32

1,1,1-Trichloroethane

Concen: 0.034 ppbv m

RT: 6.63 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VL032658.D

Acq: 18 Oct 2018 19:18

Instrument :

MSVOA_L

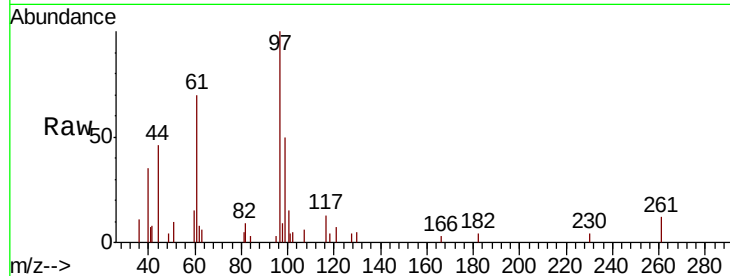
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VSTDIC0.03

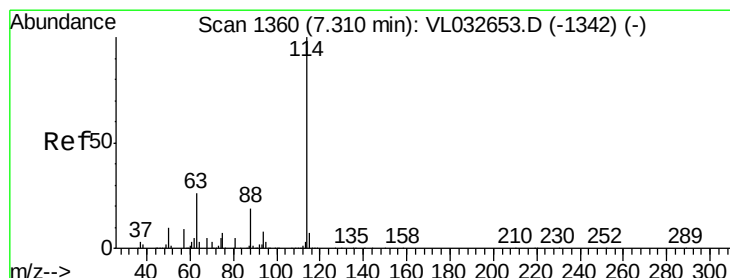
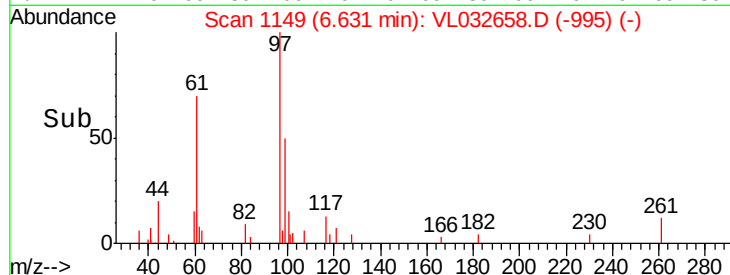
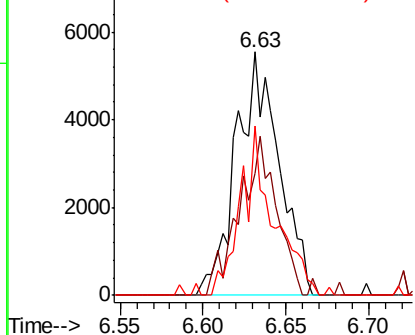
Tot Ion:	97	Resp:	9981
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.0	78.0#
61	54.1	40.7	61.1

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Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

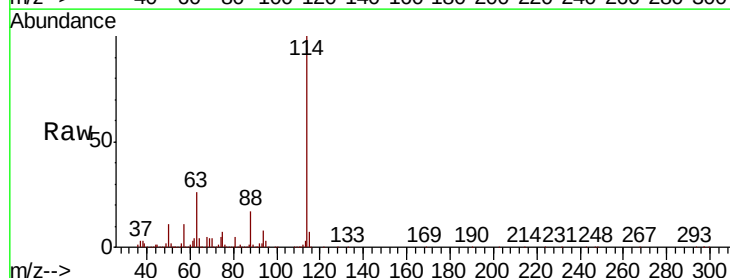
RT: 7.31 min Scan# 1359

Delta R.T. -0.00 min

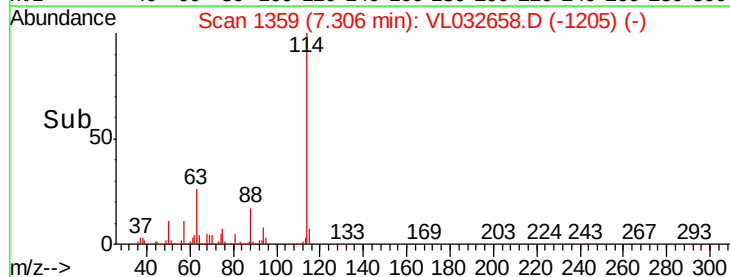
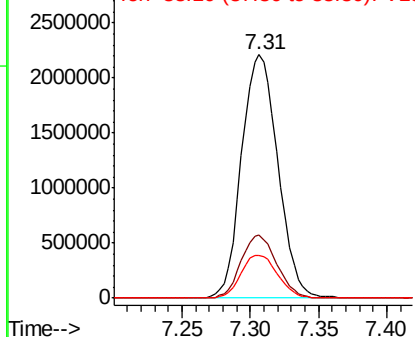
Lab File: VL032658.D

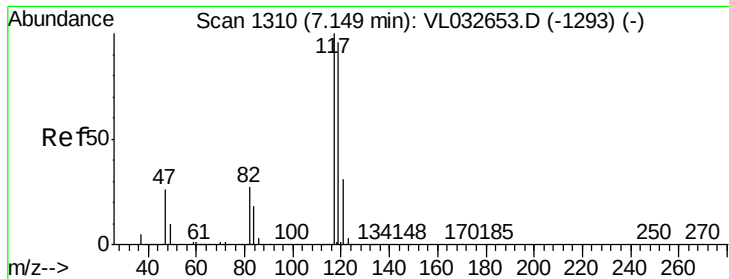
Acq: 18 Oct 2018 19:18

Tgt Ion:	114	Resp:	4092865
Ion Ratio	Lower	Upper	
114	100		
63	25.6	21.7	32.5
88	17.8	14.9	22.3



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





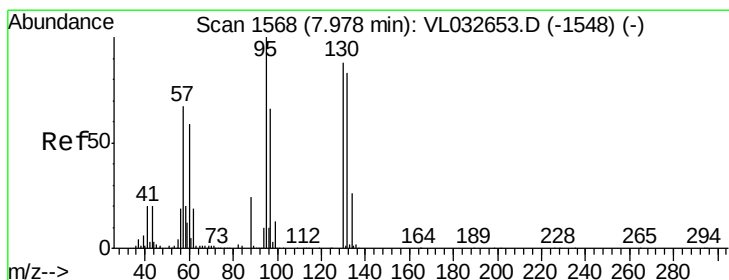
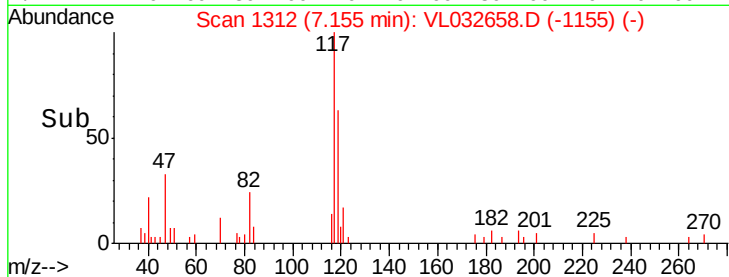
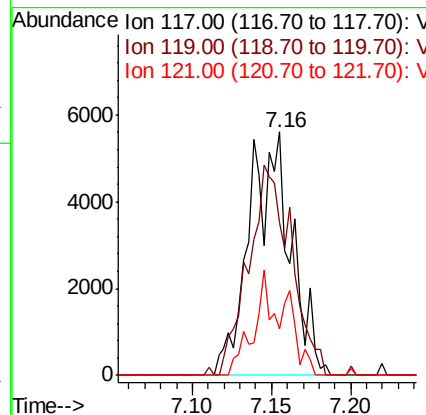
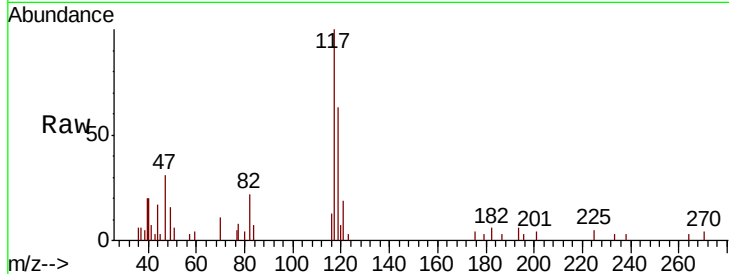
#35
Carbon Tetrachloride
Concen: 0.032 ppbv m
RT: 7.16 min Scan# 1312
Delta R.T. 0.01 min
Lab File: VL032658.D
Acq: 18 Oct 2018 19:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	62.8	75.7	113.5#
121	19.3	24.7	37.1#

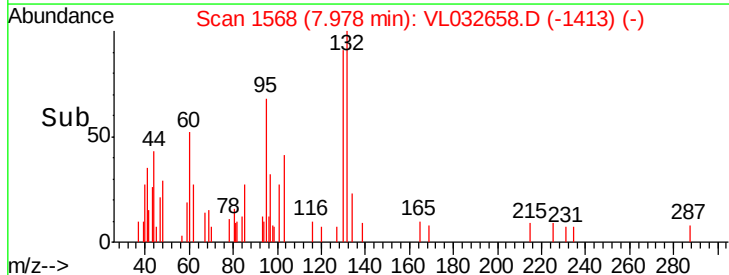
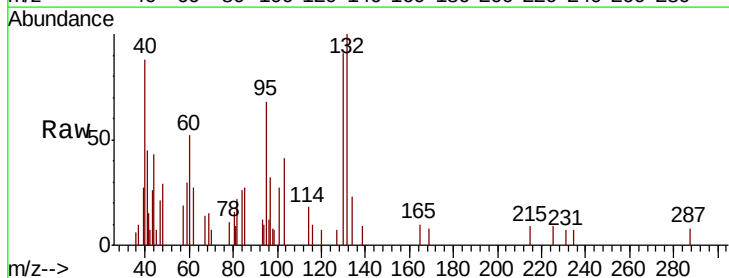
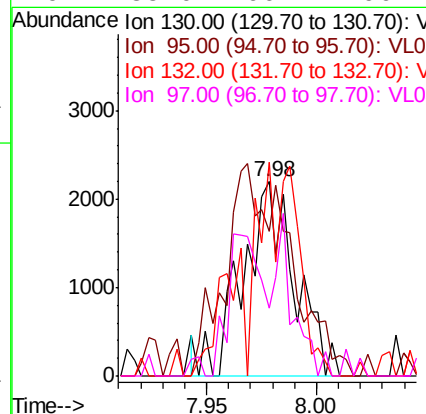
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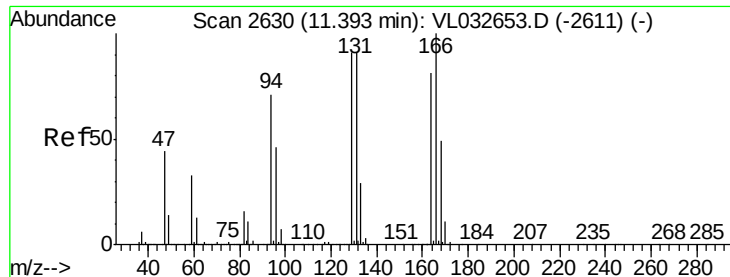
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#38
Trichloroethene
Concen: 0.029 ppbv m
RT: 7.98 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL032658.D
Acq: 18 Oct 2018 19:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	74.4	93.4	140.0#
132	110.1	76.5	114.7
97	35.0	60.2	90.2#





#52

Tetrachloroethene

Concen: 0.031 ppbv m

RT: 11.39 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VL032658.D

Acq: 18 Oct 2018 19:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion:164 Resp: 3383

Ion Ratio Lower Upper

164 100

166 108.4 100.5 150.7

129 117.3 90.0 135.0

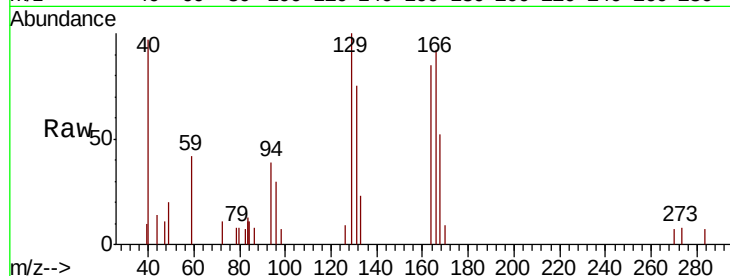
131 87.7 86.6 129.8

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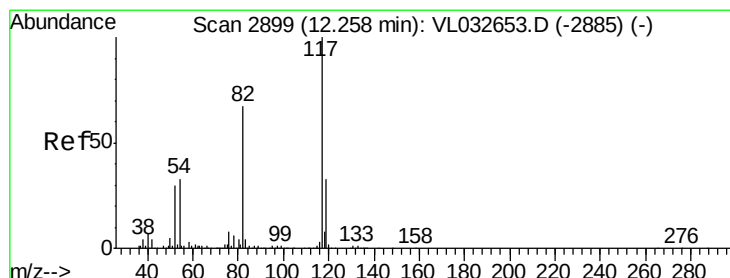
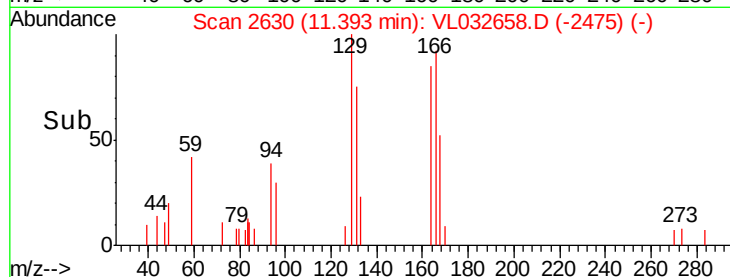
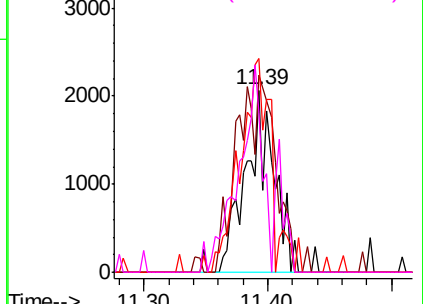


Abundance Ion 163.90 (163.60 to 164.60): V

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: 10.000 ppbv

RT: 12.25 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL032658.D

Acq: 18 Oct 2018 19:18

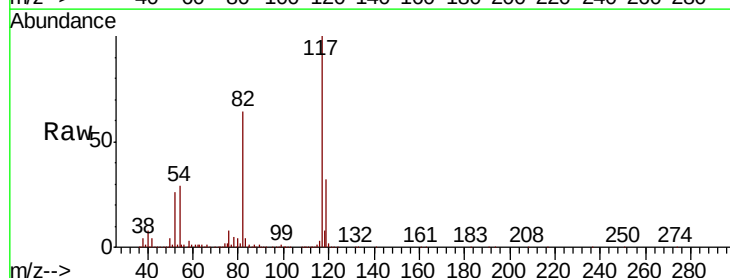
Tgt Ion:117 Resp: 3974720

Ion Ratio Lower Upper

117 100

82 64.7 52.7 79.1

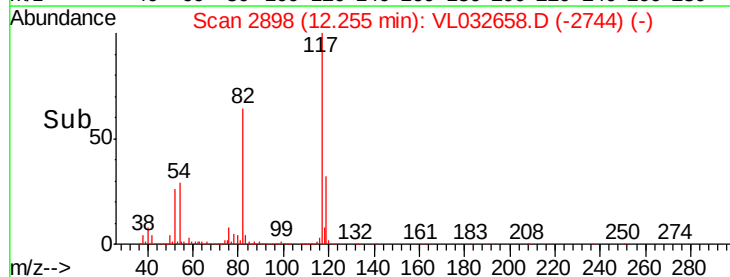
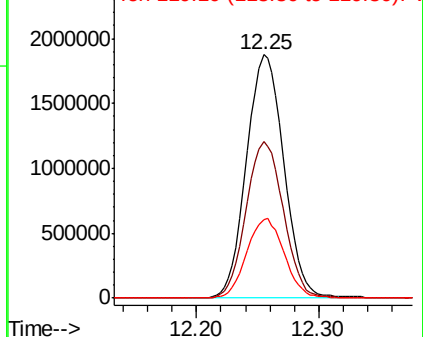
119 33.0 26.7 40.1

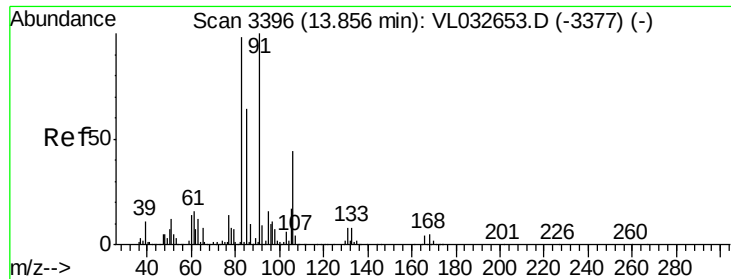


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.032 ppbv m

RT: 13.87 min Scan# 3399

Delta R.T. 0.01 min

Lab File: VL032658.D

Acq: 18 Oct 2018 19:18

Instrument :

MSVOA_L

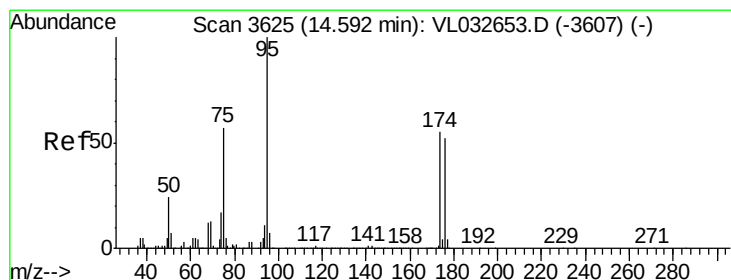
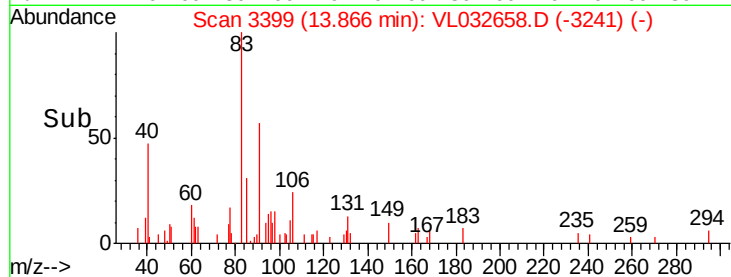
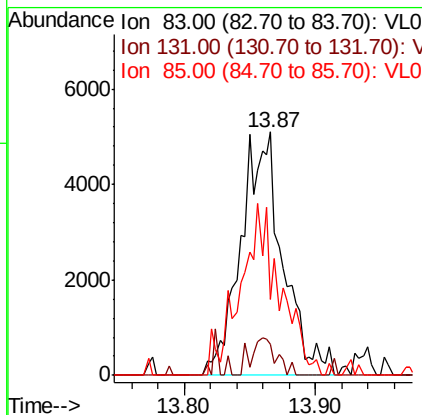
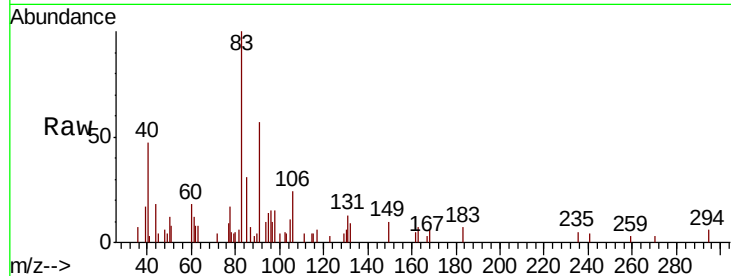
ClientSampleId :

VSTDIC0.03

Tot Ion:	83	Resp:	11306
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.3	12.9#
85	0.0	32.3	96.9#

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.805 ppbv

RT: 14.59 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL032658.D

Acq: 18 Oct 2018 19:18

Tgt Ion:	95	Resp:	2934442
Ion Ratio	Lower	Upper	
95	100		
174	65.2	46.0	69.0
175	4.7	3.4	5.0

