

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
 Data File : VL032632.D
 Acq On : 17 Oct 2018 5:56
 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

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 10/19/2018 4:36:28 PM

Quant Time: Oct 17 07:46:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 07:46:58 2018
 QLast Update : Wed Oct 17 05:31:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1137215	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2514995	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2394391	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	1889309	10.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.31	62	1655m	0.03	ppbv	
32) 1,1,1-Trichloroethane	6.63	97	6441m	0.04	ppbv	
35) Carbon Tetrachloride	7.16	117	7239m	0.04	ppbv	
38) Trichloroethene	7.98	130	2532m	0.03	ppbv	
52) Tetrachloroethene	11.39	164	1995m	0.03	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.86	83	7636m	0.04	ppbv	

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

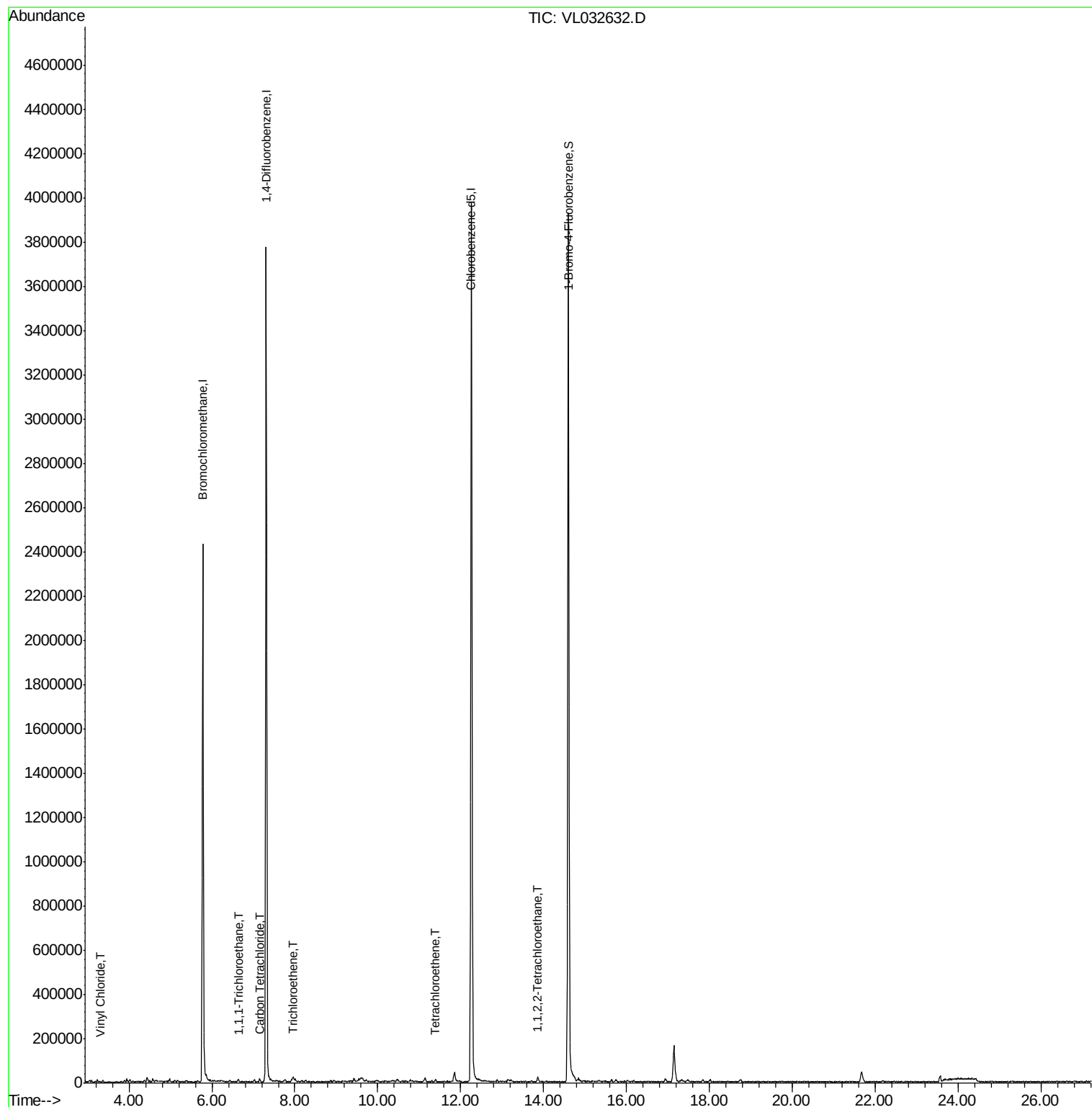
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
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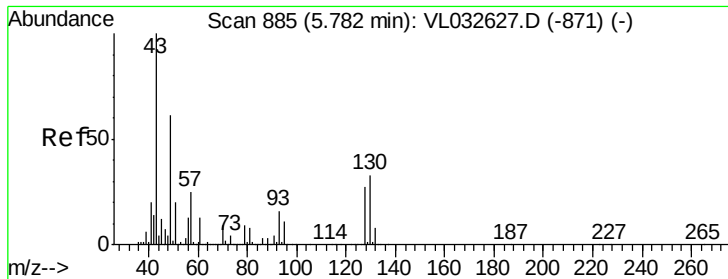
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

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Quant Time: Oct 17 07:46:58 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
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QLast Update : Wed Oct 17 05:31:40 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL032632.D

Acq: 17 Oct 2018 5:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 49 Resp: 1137215

Ion Ratio Lower Upper

49 100

128 46.9 22.3 66.8

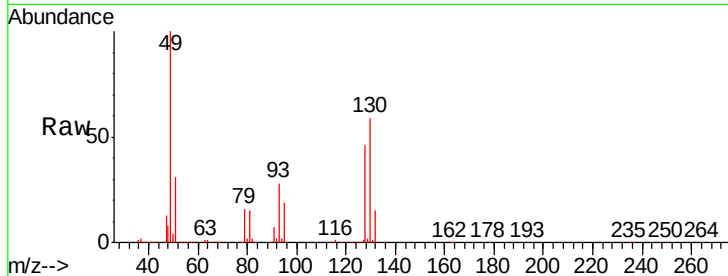
130 60.4 28.4 85.3

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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

800000

600000

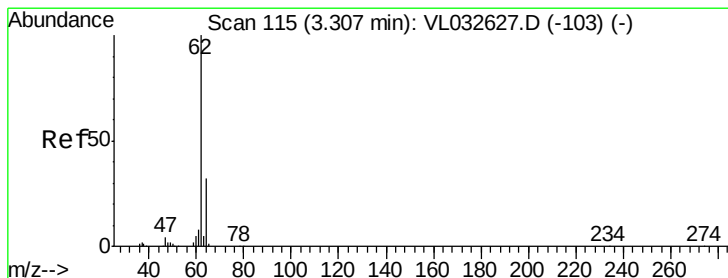
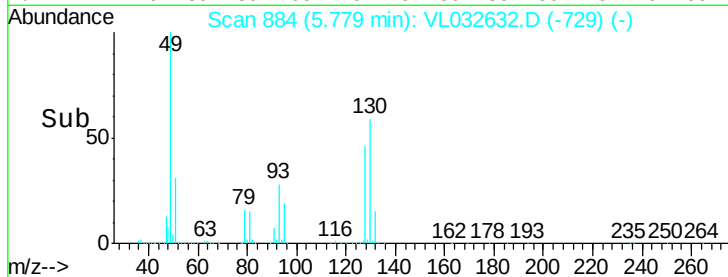
400000

200000

0

5.70 5.75 5.80 5.85

Time-->



#5

Vinyl Chloride

Concen: 0.03 ppbv m

RT: 3.31 min Scan# 115

Delta R.T. 0.00 min

Lab File: VL032632.D

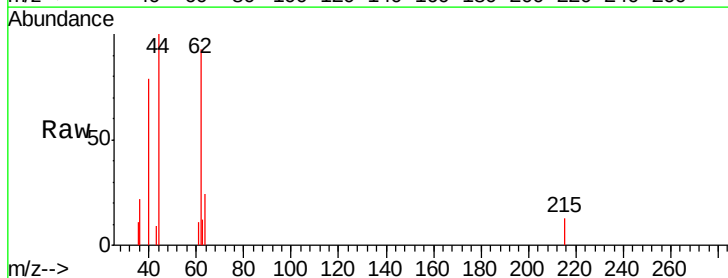
Acq: 17 Oct 2018 5:56

Tgt Ion: 62 Resp: 1655

Ion Ratio Lower Upper

62 100

64 25.5 25.5 38.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

1500

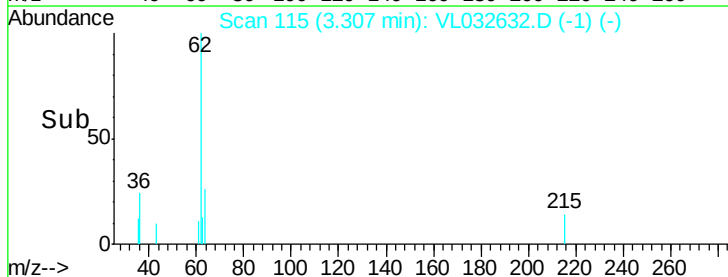
1000

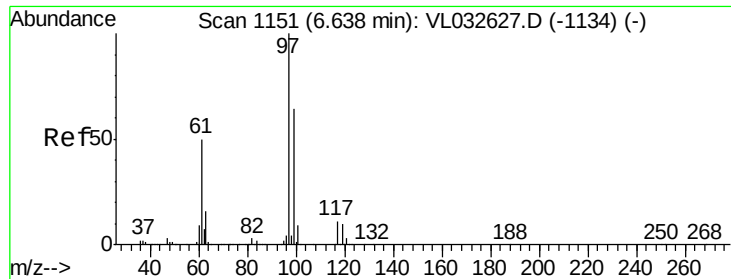
500

0

3.28 3.30 3.32

Time-->





#32

1,1,1-Trichloroethane

Concen: 0.04 ppbv m

RT: 6.63 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VL032632.D

Acq: 17 Oct 2018 5:56

Instrument :

MSVOA_L

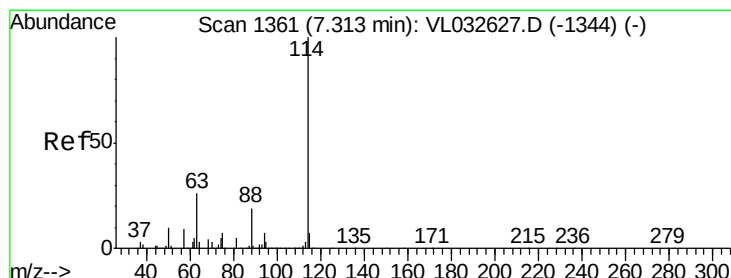
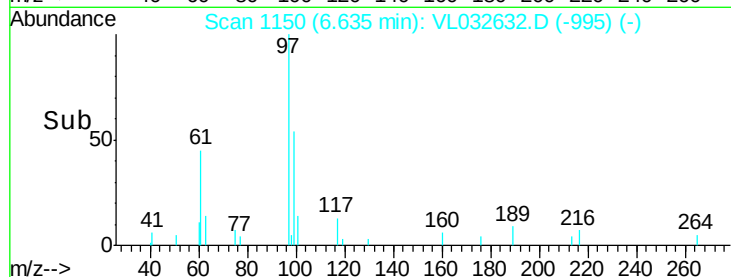
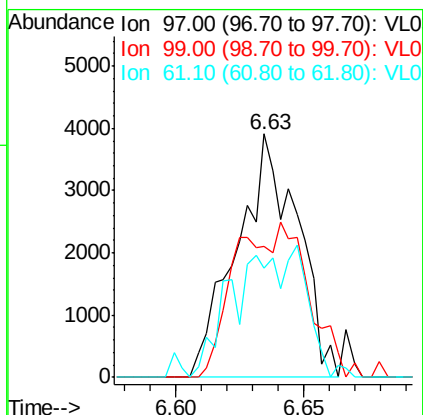
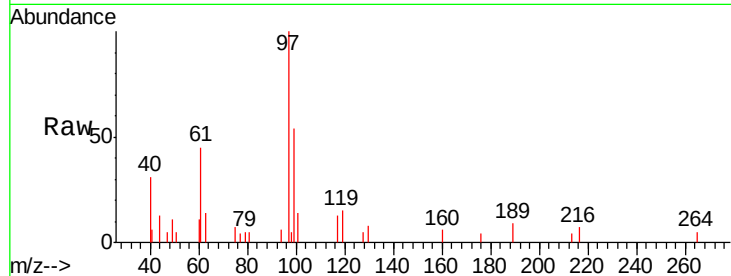
ClientSampleId :

VSTDIC0.03

Tgt Ion:	97	Resp:	6441
Ion Ratio	Lower	Upper	
97	100		
99	78.7	52.0	78.0#
61	65.4	40.7	61.1#

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

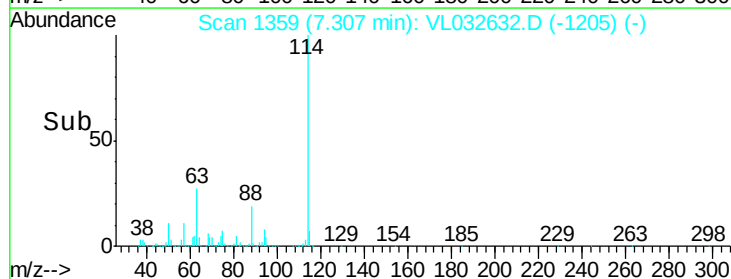
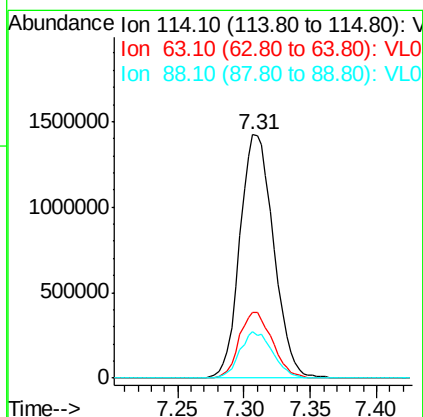
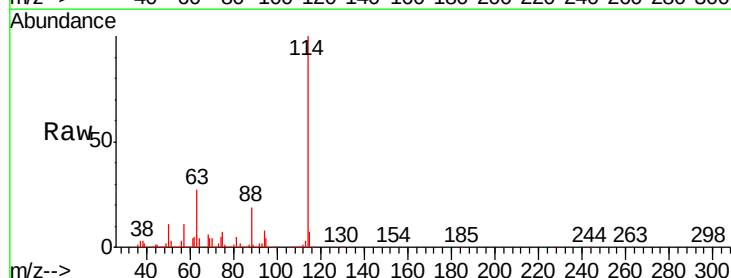
RT: 7.31 min Scan# 1359

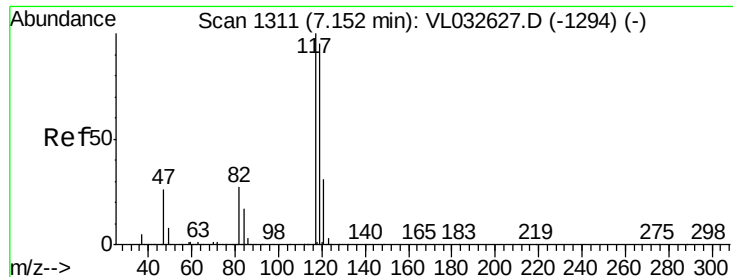
Delta R.T. -0.01 min

Lab File: VL032632.D

Acq: 17 Oct 2018 5:56

Tgt Ion:	114	Resp:	2514995
Ion Ratio	Lower	Upper	
114	100		
63	26.8	21.7	32.5
88	18.6	14.9	22.3





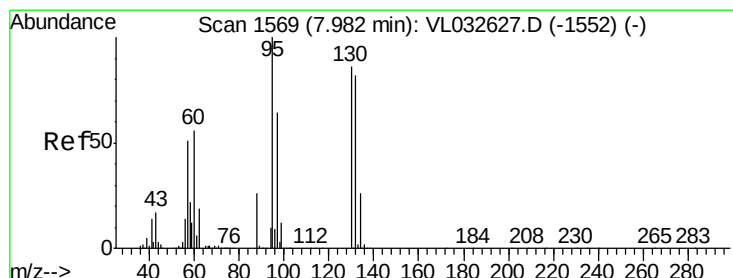
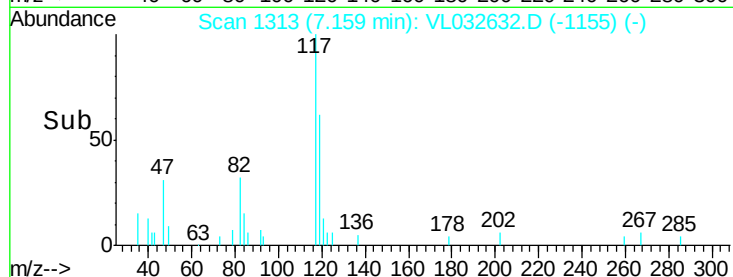
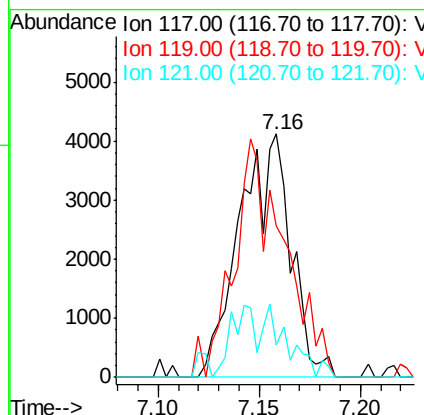
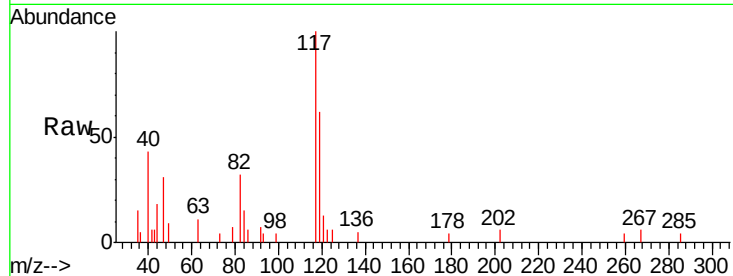
#35
Carbon Tetrachloride
Concen: 0.04 ppbv m
RT: 7.16 min Scan# 1313
Delta R.T. 0.01 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	7239		
119	62.2		75.7	113.5#
121	13.2		24.7	37.1#

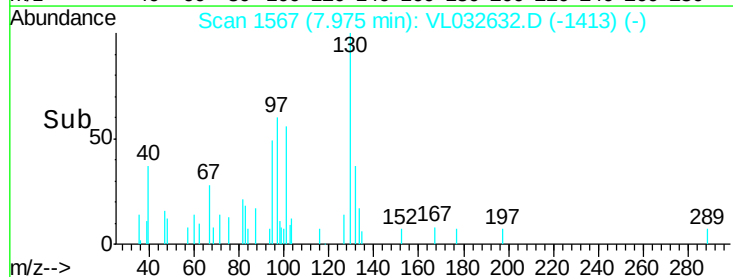
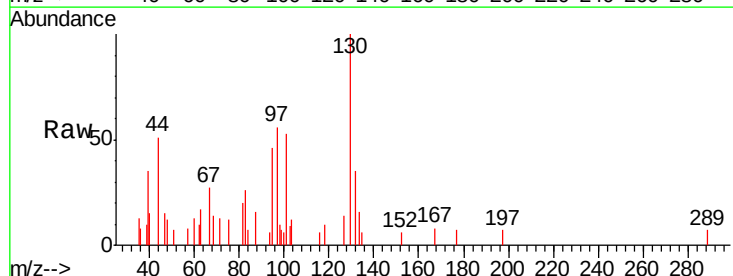
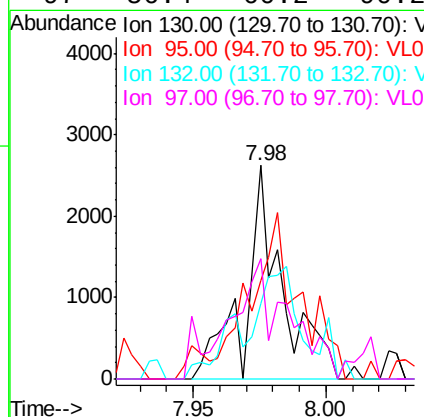
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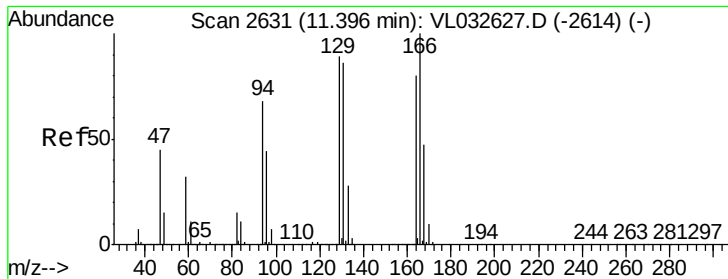
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#38
Trichloroethene
Concen: 0.03 ppbv m
RT: 7.98 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	2532		
95	46.3		93.4	140.0#
132	35.2		76.5	114.7#
97	56.4		60.2	90.2#





#52

Tetrachloroethene

Concen: 0.03 ppbv m

RT: 11.39 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VL032632.D

Acq: 17 Oct 2018 5:56

Instrument :

MSVOA_L

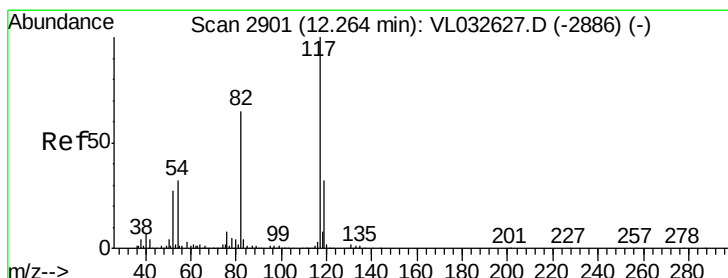
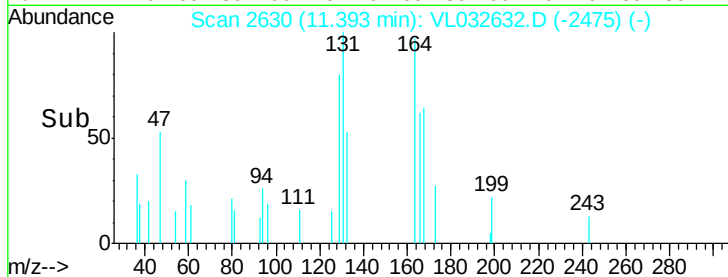
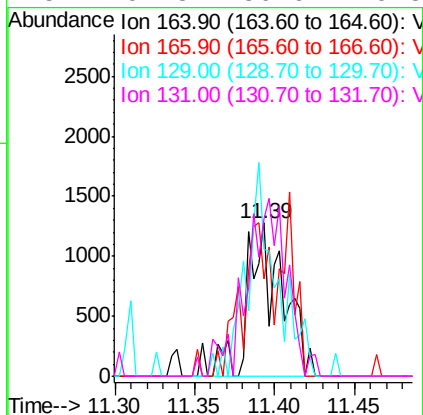
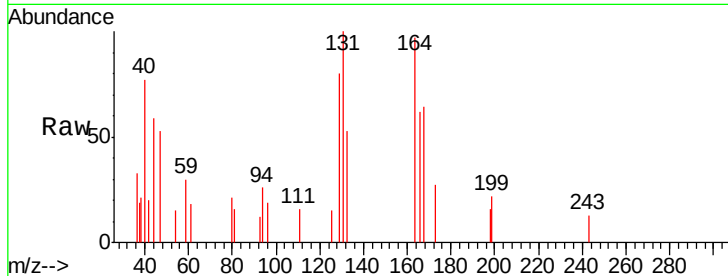
ClientSampled :

VSTDIC0.03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	63.5	100.5	150.7#
129	82.5	90.0	135.0#
131	102.8	86.6	129.8

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

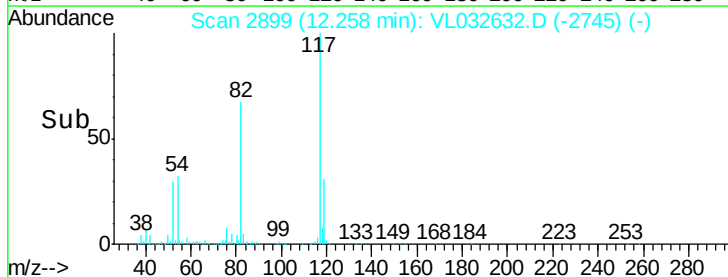
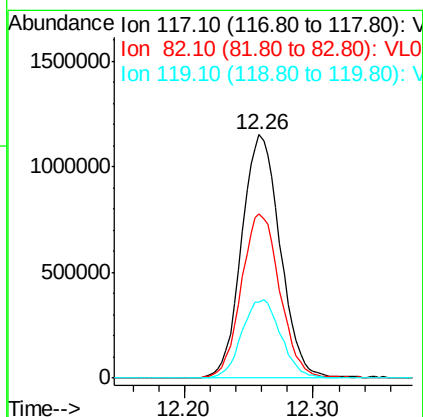
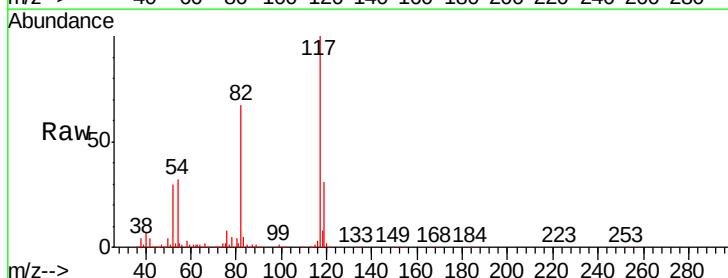
RT: 12.26 min Scan# 2899

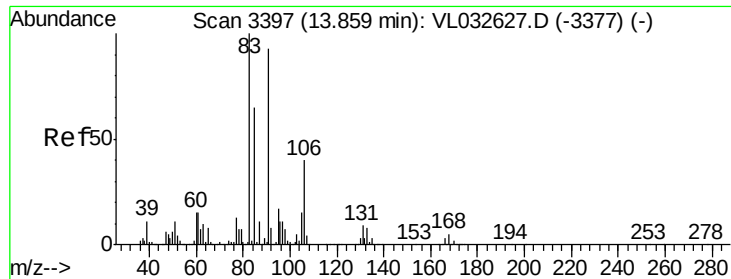
Delta R.T. -0.01 min

Lab File: VL032632.D

Acq: 17 Oct 2018 5:56

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.0	52.7	79.1
119	32.8	26.7	40.1





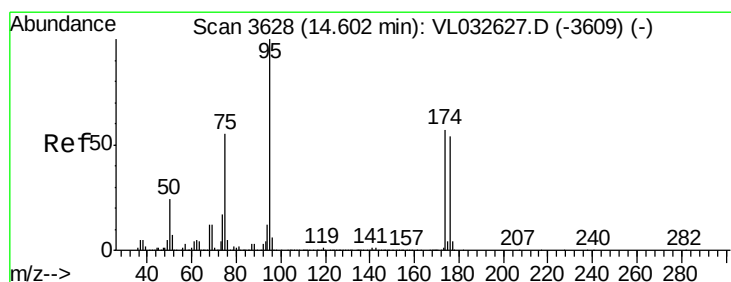
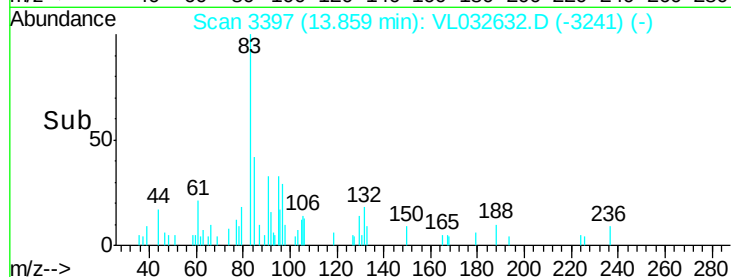
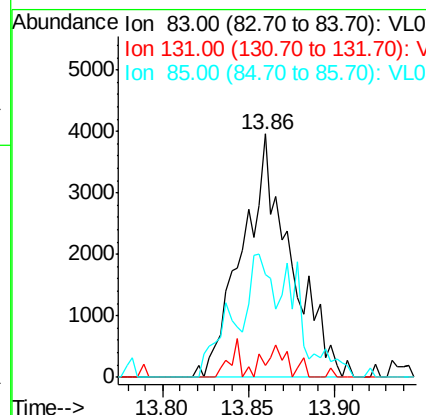
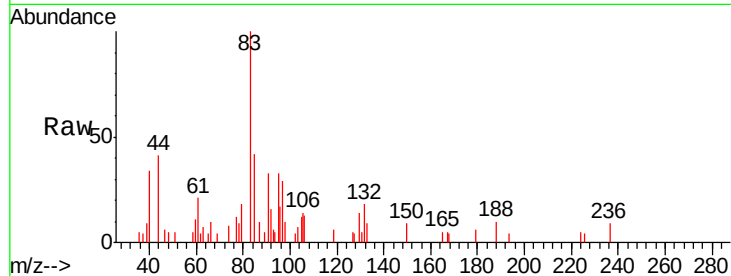
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.04 ppbv m
 RT: 13.86 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL032632.D
 Acq: 17 Oct 2018 5:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion	Ratio	Lower	Upper
83	100		
131	3.6	4.3	12.9#
85	0.0	32.3	96.9#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.43 ppbv
 RT: 14.60 min Scan# 3626
 Delta R.T. -0.01 min
 Lab File: VL032632.D
 Acq: 17 Oct 2018 5:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	58.4	46.0	69.0
175	4.1	3.4	5.0

