

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083118\
 Data File : VL032436.D
 Acq On : 31 Aug 2018 3:46
 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

apatel
 9/4/2018 8:25:47 AM

Quant Time: Aug 31 06:39:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 06:39:49 2018
 QLast Update : Fri Aug 31 04:25:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	2055926	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3974602	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3813408	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2867297	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.33	62	3913m	0.04	ppbv	
32) 1,1,1-Trichloroethane	6.67	97	9203m	0.04	ppbv	
35) Carbon Tetrachloride	7.18	117	9466m	0.04	ppbv	
38) Trichloroethene	8.01	130	4903m	0.04	ppbv	
52) Tetrachloroethene	11.43	164	3481m	0.04	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.89	83	12225m	0.04	ppbv	

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

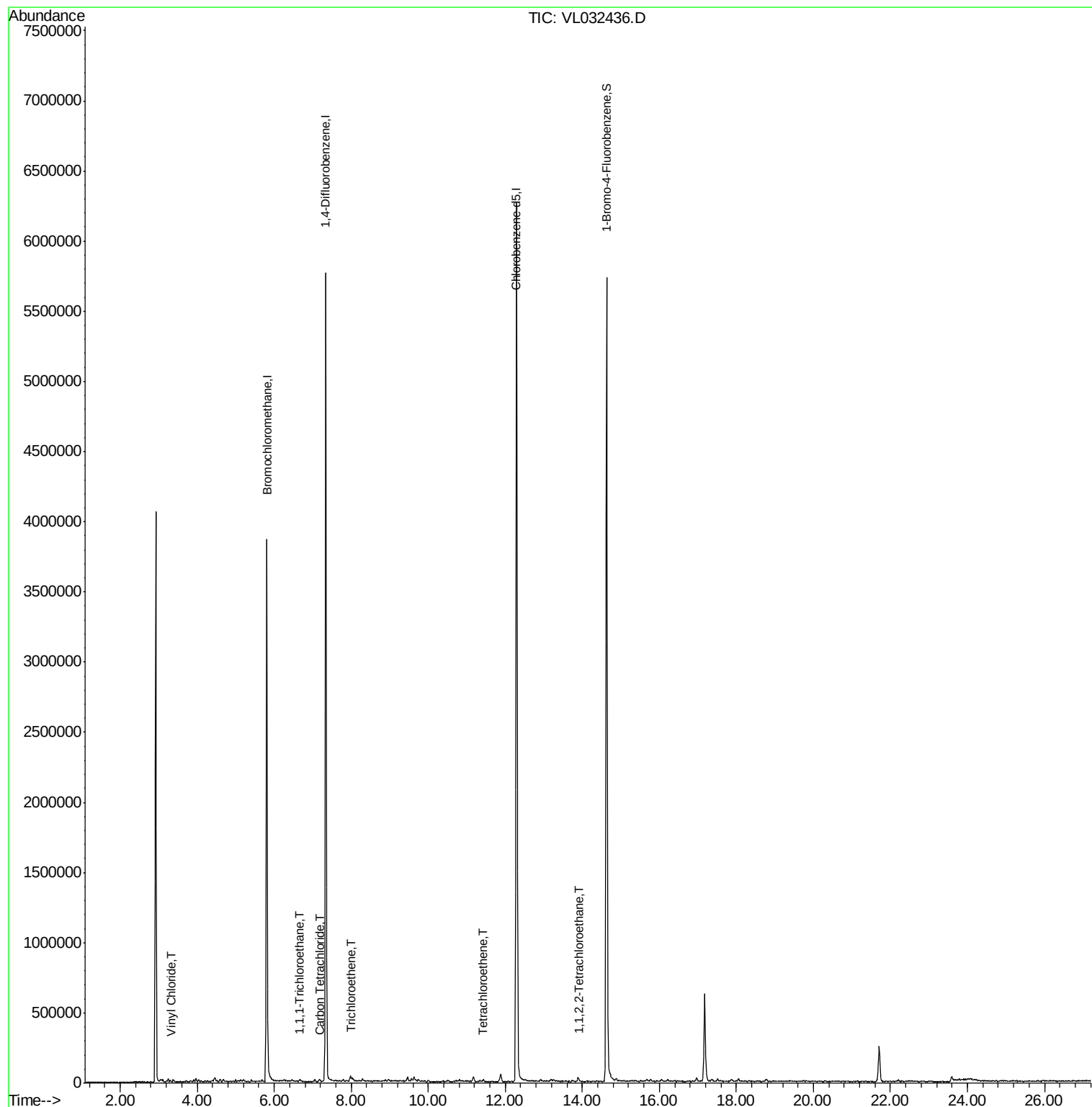
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL083118\
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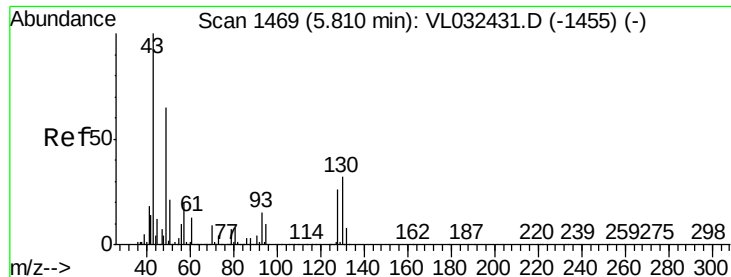
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

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#1

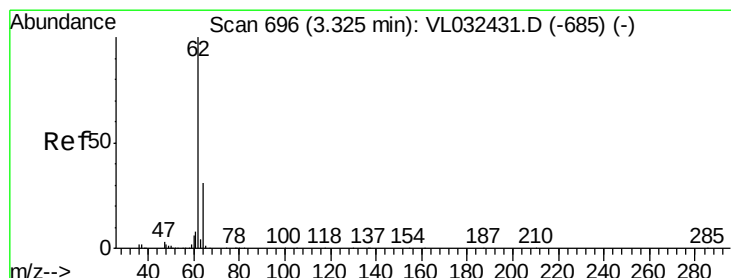
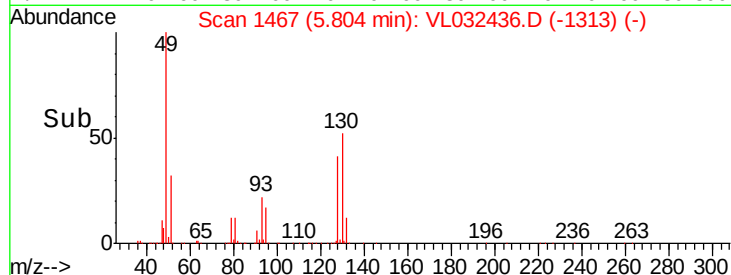
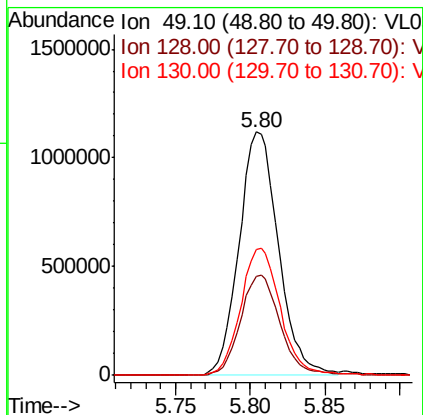
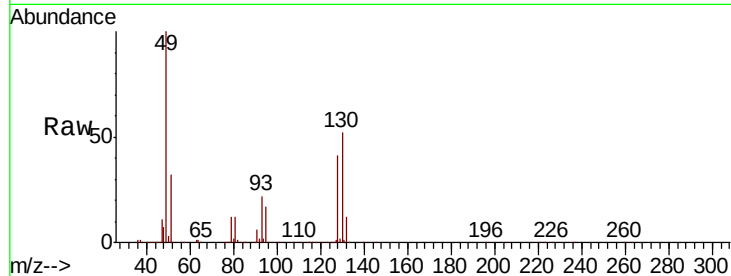
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.80 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
49	100		
128	41.8	20.7	62.1
130	53.3	26.7	80.0

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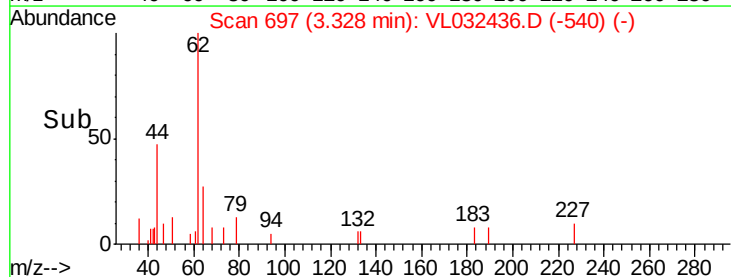
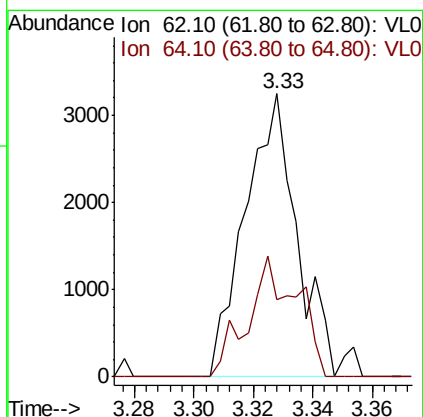
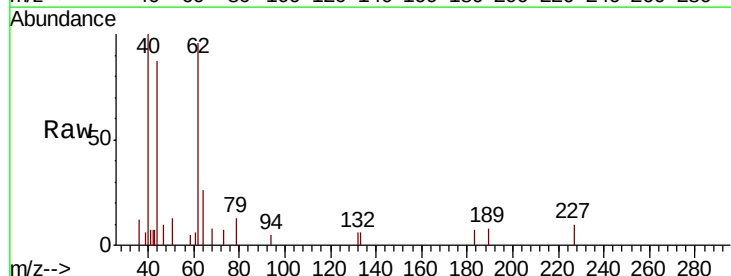
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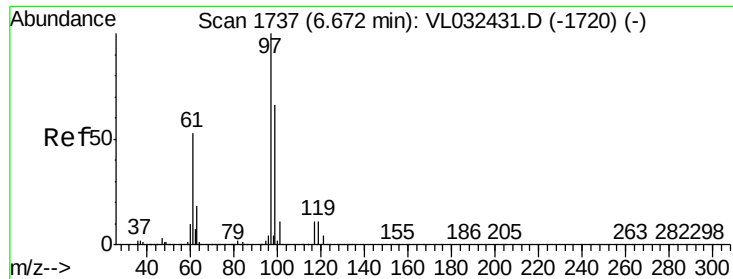


#5

Vinyl Chloride
 Concen: 0.04 ppbv m
 RT: 3.33 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

Tgt Ion	Ratio	Lower	Upper
62	100		
64	27.1	25.0	37.6





#32

1,1,1-Trichloroethane

Concen: 0.04 ppbv m

RT: 6.67 min Scan# 1735

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

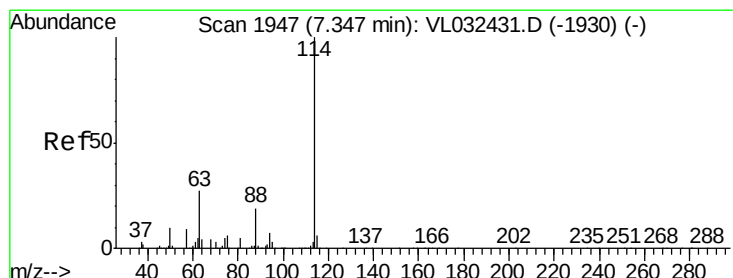
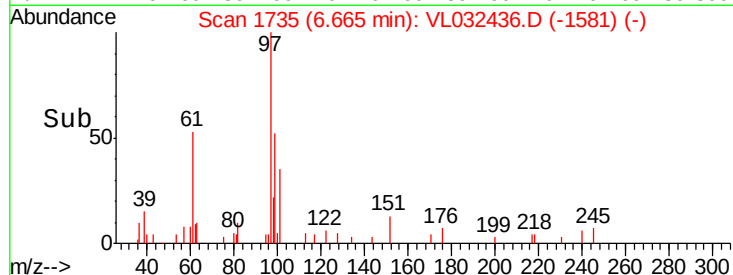
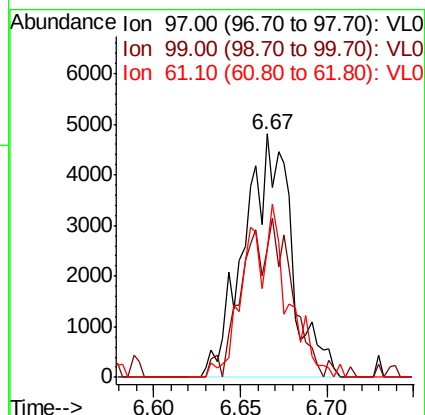
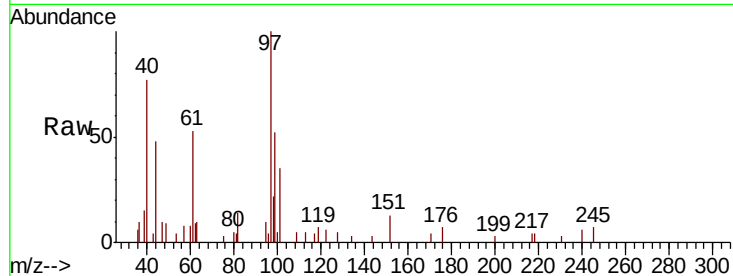
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	9203
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.1	78.1#
61	0.0	42.6	64.0#

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

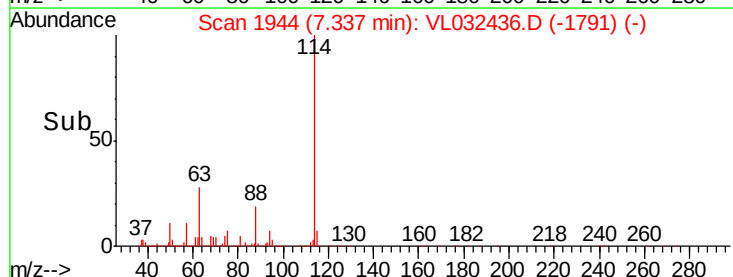
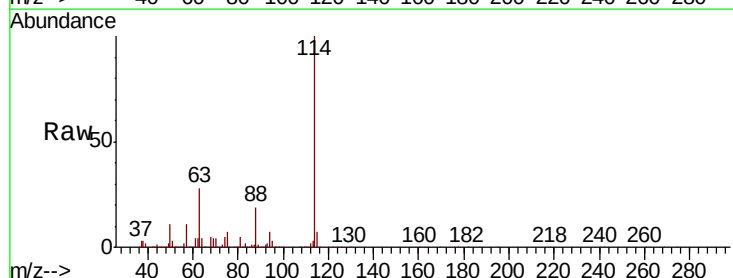
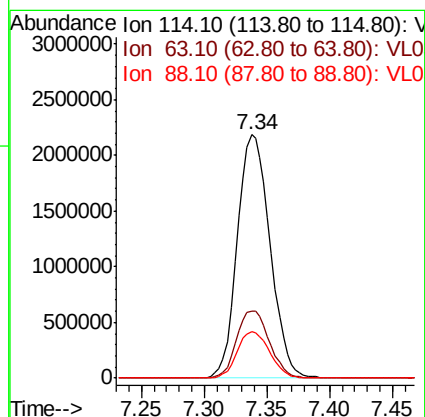
RT: 7.34 min Scan# 1944

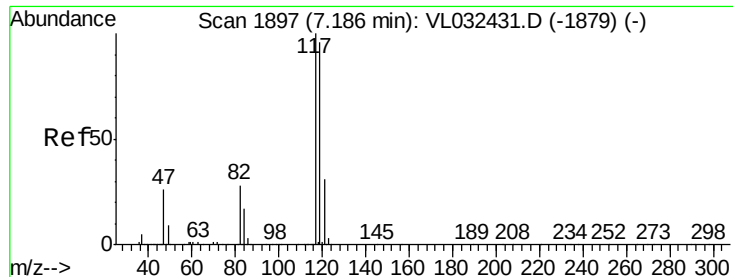
Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Tgt Ion:	114	Resp:	3974602
Ion Ratio	Lower	Upper	
114	100		
63	27.8	22.1	33.1
88	19.0	15.0	22.6





#35

Carbon Tetrachloride

Concen: 0.04 ppbv m

RT: 7.18 min Scan# 1896

Delta R.T. -0.00 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

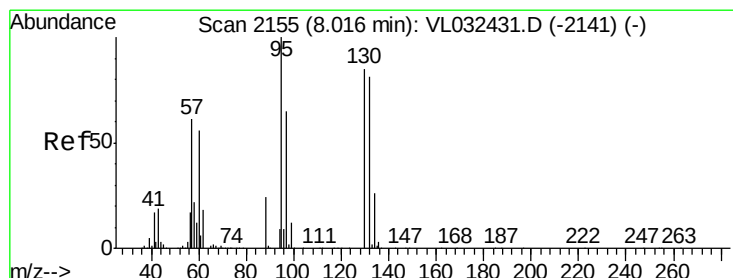
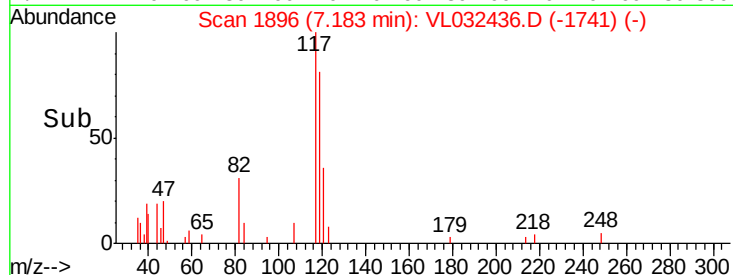
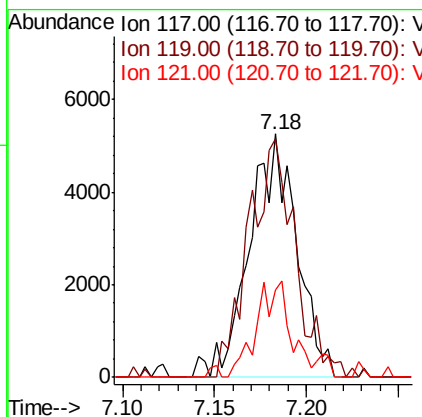
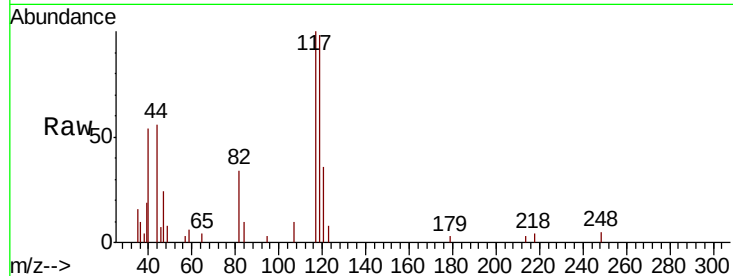
ClientSampleId :

VSTDIC0.03

Tot Ion:	117	Resp:	9466
Ion Ratio	Lower	Upper	
117	100		
119	97.9	76.6	115.0
121	35.8	24.6	36.8

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#38

Trichloroethene

Concen: 0.04 ppbv m

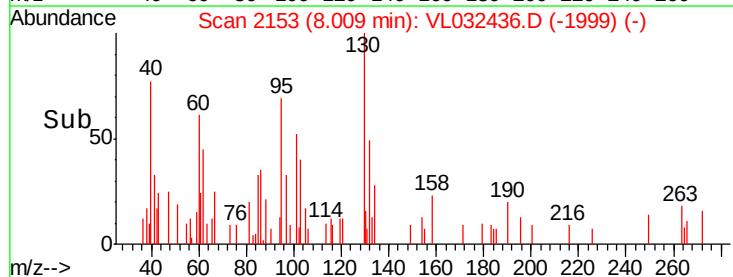
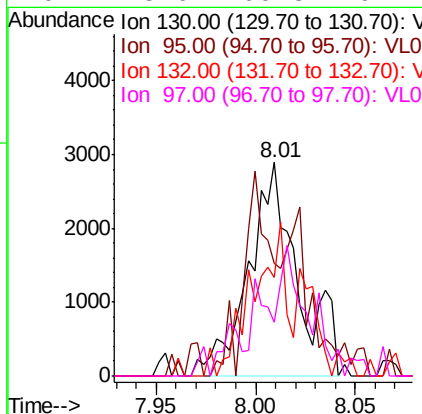
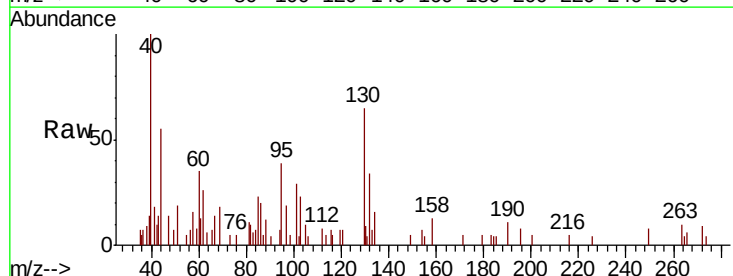
RT: 8.01 min Scan# 2153

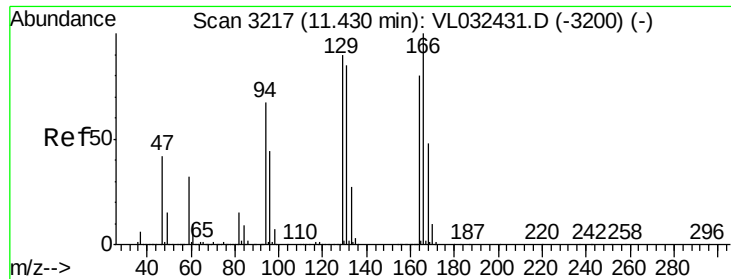
Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Tgt Ion:	130	Resp:	4903
Ion Ratio	Lower	Upper	
130	100		
95	60.3	94.2	141.4#
132	52.8	76.2	114.4#
97	28.6	60.8	91.2#





#52

Tetrachloroethene

Concen: 0.04 ppbv m

RT: 11.43 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion:164 Resp: 3481

Ion Ratio Lower Upper

164 100

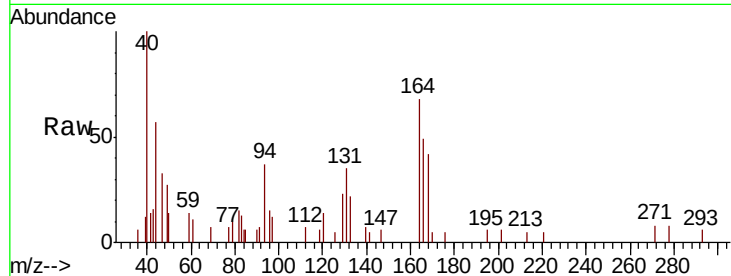
166 71.3 100.6 150.8#

129 33.2 89.9 134.9#

131 51.9 85.9 128.9#

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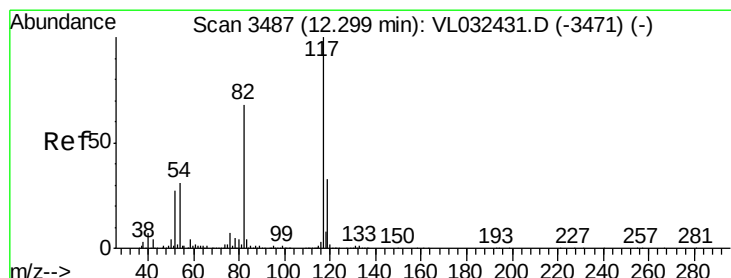
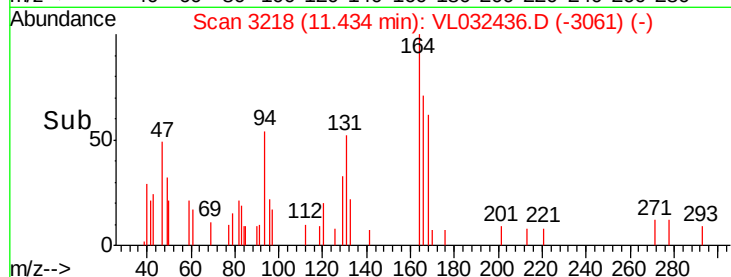
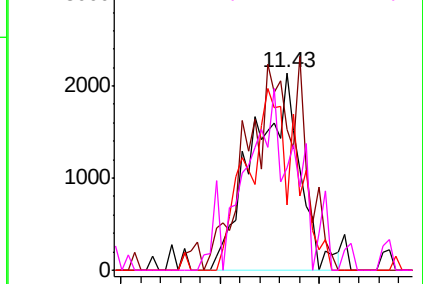
Abundance

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: 10.00 ppbv

RT: 12.29 min Scan# 3485

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

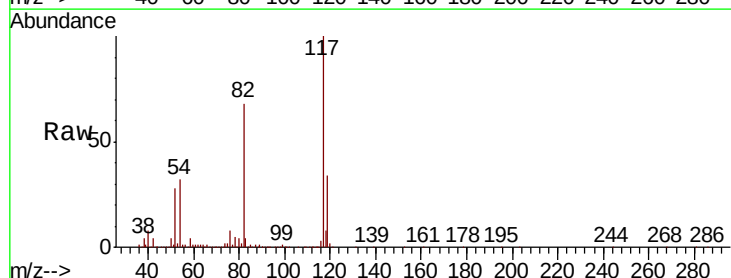
Tgt Ion:117 Resp: 3813408

Ion Ratio Lower Upper

117 100

82 67.8 51.5 77.3

119 33.1 44.6 66.8#

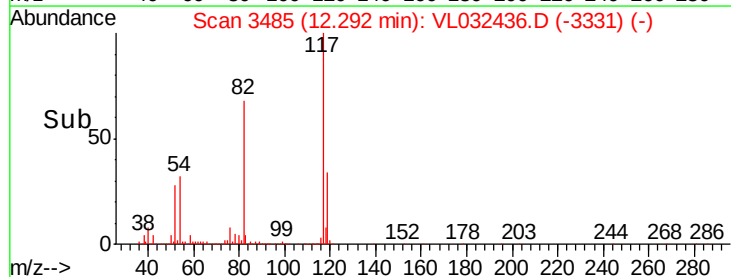
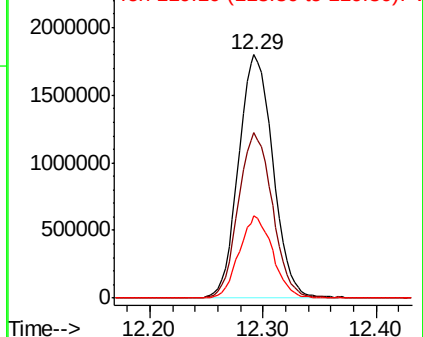


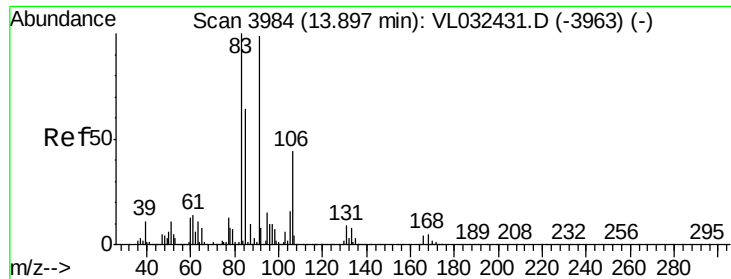
Abundance

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





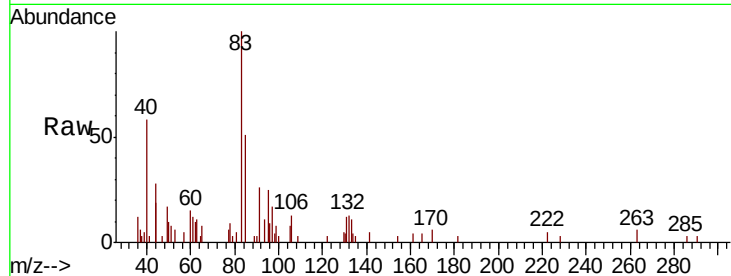
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.04 ppbv m
 RT: 13.89 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

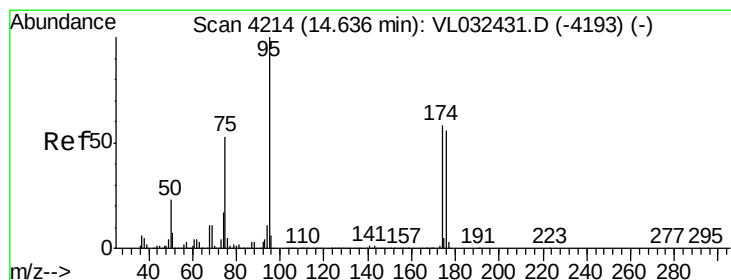
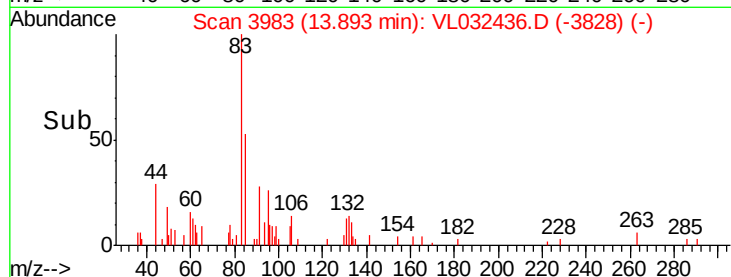
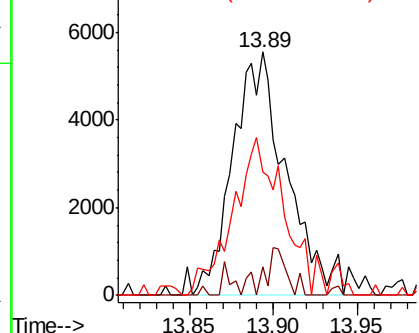
Tot Ion	Ratio	Lower	Upper
83	100		
131	7.2	4.3	12.8
85	66.8	32.3	96.8

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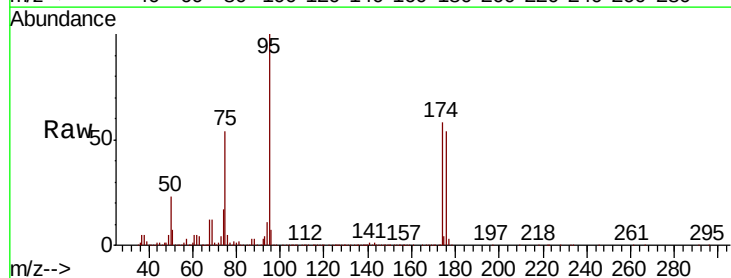


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.09 ppbv
 RT: 14.63 min Scan# 4212
 Delta R.T. -0.01 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	58.4	46.3	69.5
175	4.1	3.4	5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

