

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033304.D
 Acq On : 13 Mar 2019 19:43
 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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 3/15/2019 10:41:50 PM

Quant Time: Mar 13 20:28:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 14 00:00:00 2019
 QLast Update : Wed Mar 13 17:31:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	759169	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1685236	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1889779	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1476872	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.29	62	2053m	0.039	ppbv	
32) 1,1,1-Trichloroethane	6.62	97	4797m	0.038	ppbv	
35) Carbon Tetrachloride	7.13	117	4672m	0.038	ppbv	
38) Trichloroethene	7.96	130	2296m	0.038	ppbv	
52) Tetrachloroethene	11.37	164	2598m	0.046	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.83	83	6078m	0.043	ppbv	

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

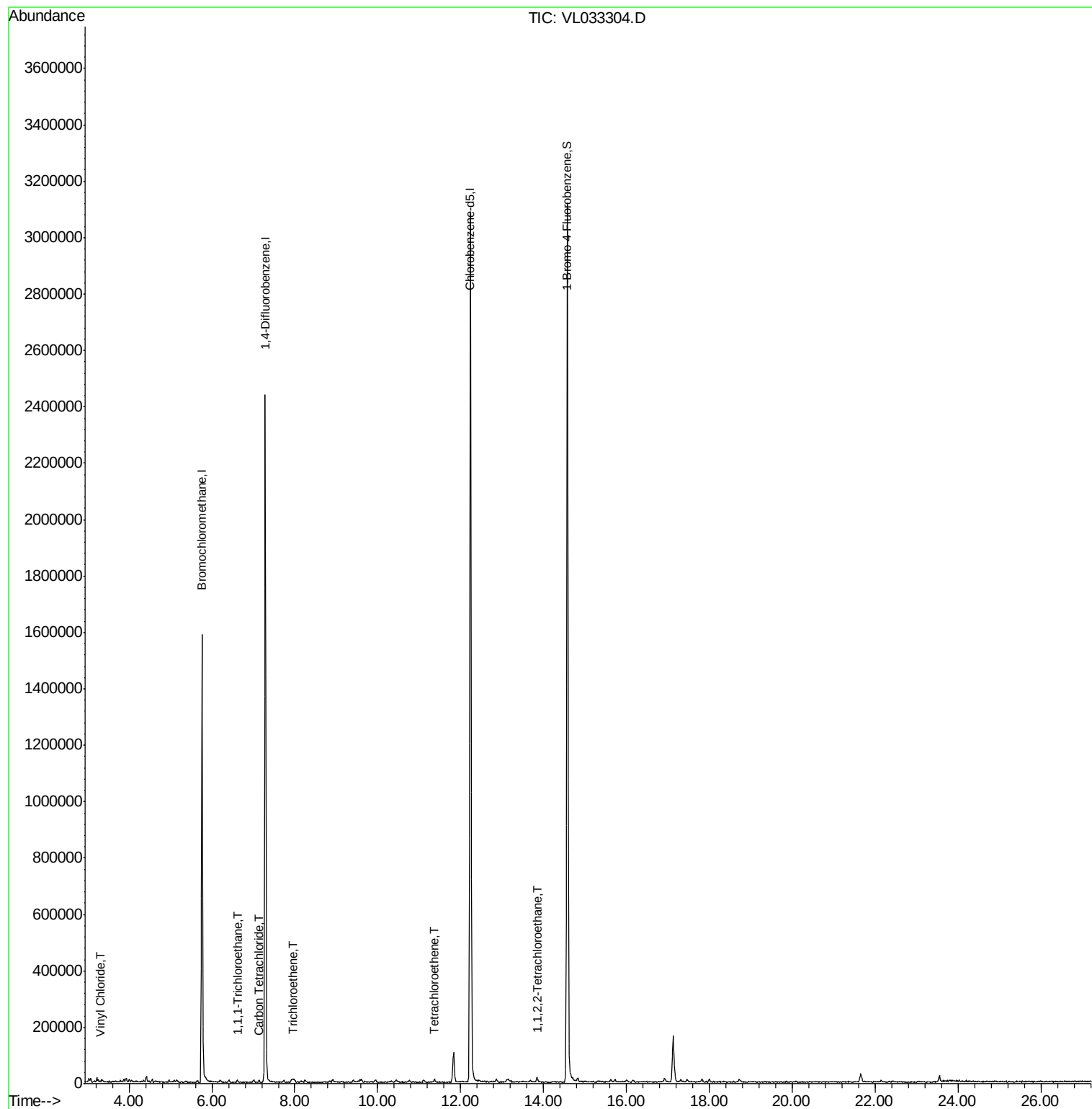
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
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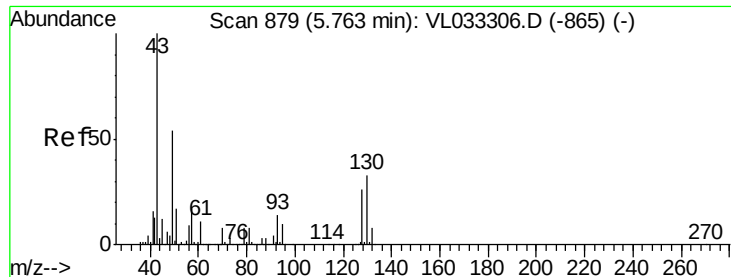
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar
QLast Update : Wed Mar 13 17:31:13 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

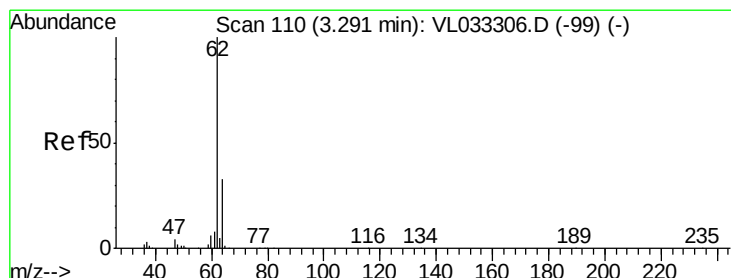
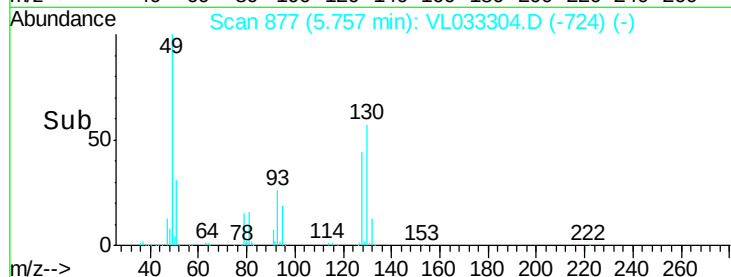
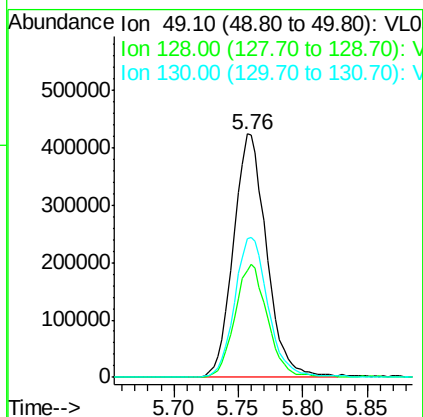
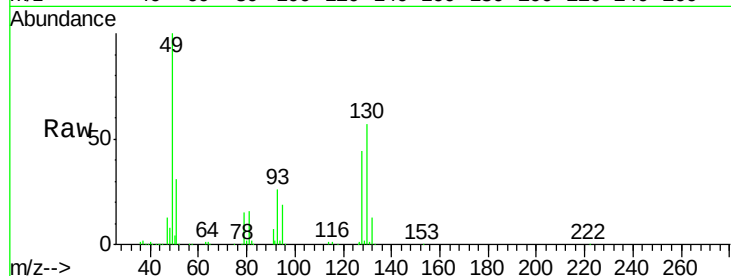
ClientSampleId :

VSTDIC0.03

Tgt Ion:	49	Resp:	759169
Ion Ratio	Lower	Upper	
49	100		
128	45.9	23.4	70.3
130	58.8	29.9	89.7

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#5

Vinyl Chloride

Concen: 0.039 ppbv m

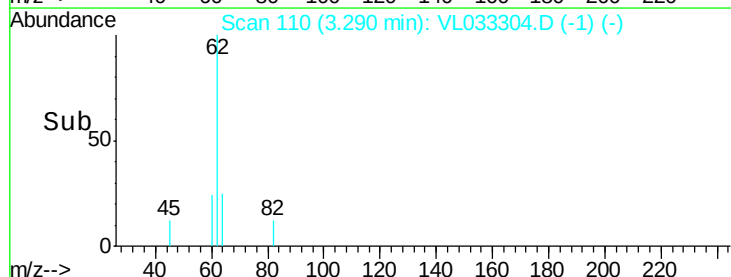
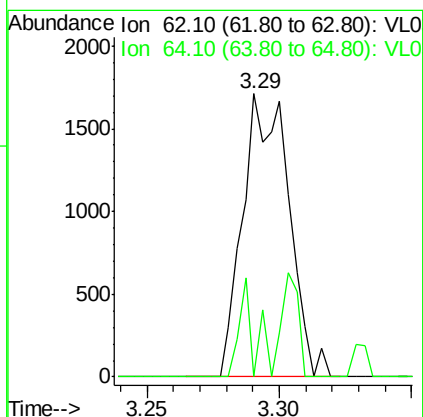
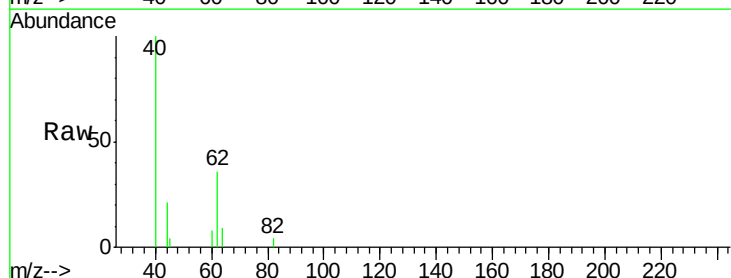
RT: 3.29 min Scan# 110

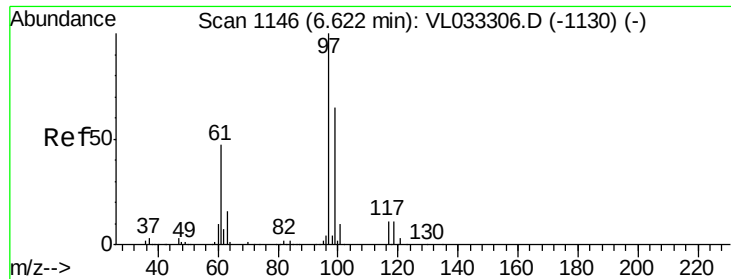
Delta R.T. -0.00 min

Lab File: VL033304.D

Acq: 13 Mar 2019 19:43

Tgt Ion:	62	Resp:	2053
Ion Ratio	Lower	Upper	
62	100		
64	0.0	25.5	38.3#





#32

1,1,1-Trichloroethane

Concen: 0.038 ppbv m

RT: 6.62 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VL033304.D

Acq: 13 Mar 2019 19:43

Instrument :

MSVOA_L

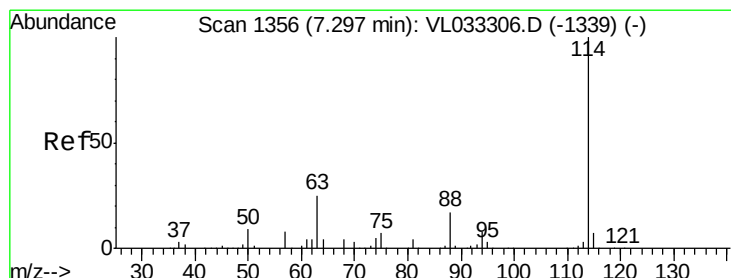
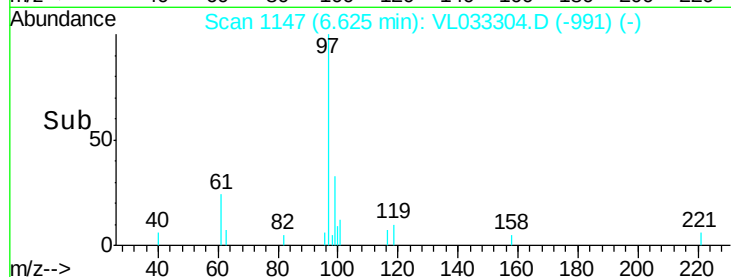
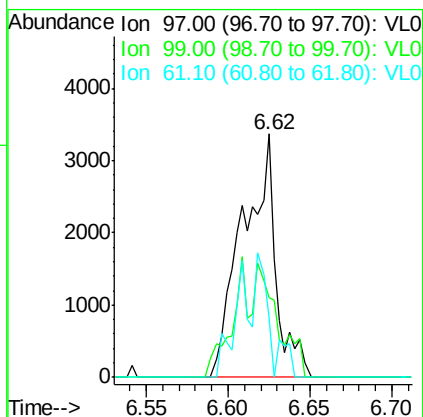
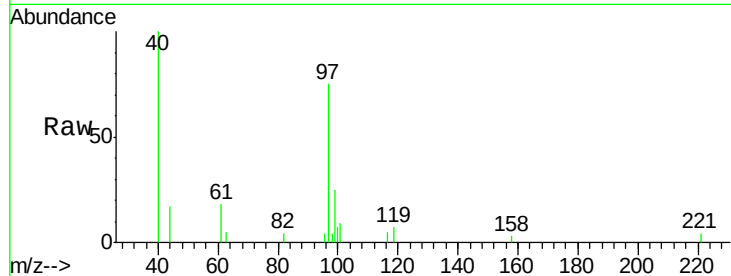
ClientSampleId :

VSTDIC0.03

Tgt Ion:	97	Resp:	4797
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	44.2	39.4	59.2

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

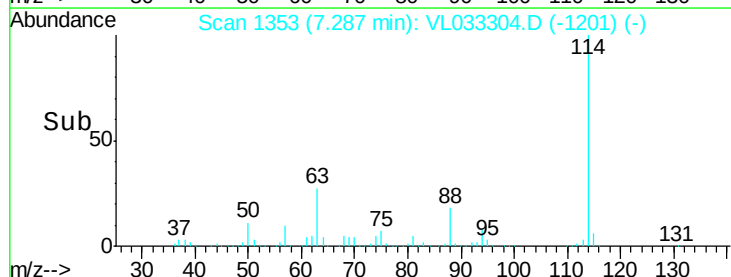
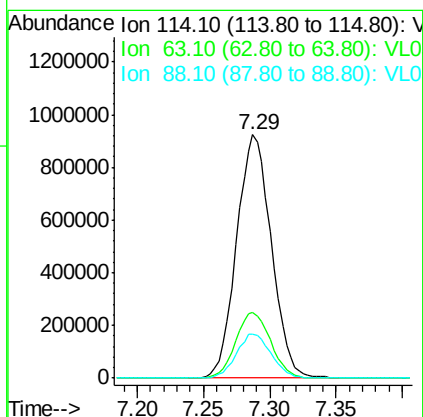
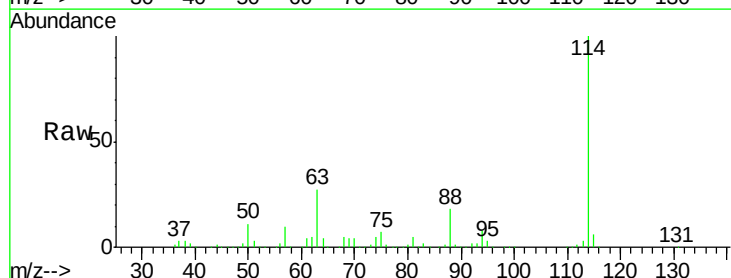
RT: 7.29 min Scan# 1353

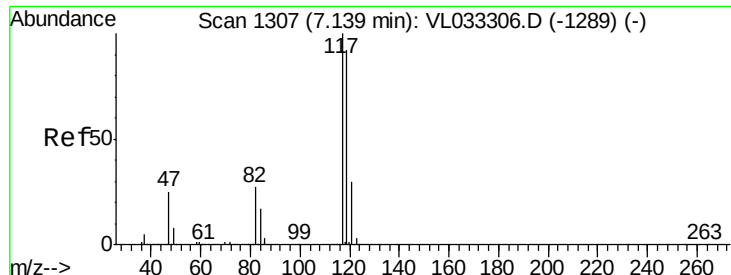
Delta R.T. -0.01 min

Lab File: VL033304.D

Acq: 13 Mar 2019 19:43

Tgt Ion:	114	Resp:	1685236
Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.3	31.9
88	18.3	14.5	21.7





#35

Carbon Tetrachloride

Concen: 0.038 ppbv m

RT: 7.13 min Scan# 1304

Delta R.T. -0.01 min

Lab File: VL033304.D

Acq: 13 Mar 2019 19:43

Instrument :

MSVOA_L

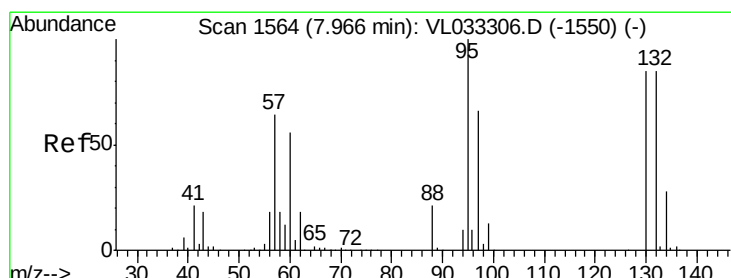
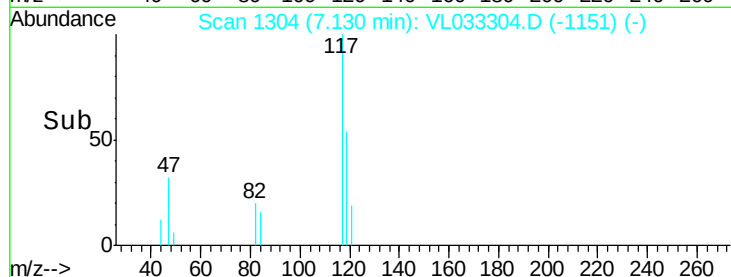
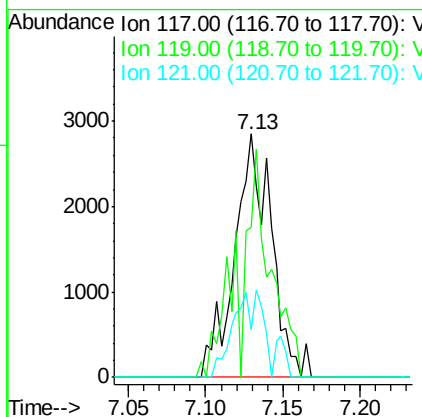
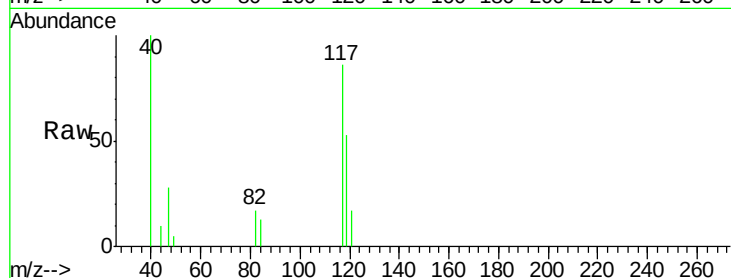
ClientSampleId :

VSTDIC0.03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	61.8	75.9	113.9#
121	19.5	25.2	37.8#

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#38

Trichloroethene

Concen: 0.038 ppbv m

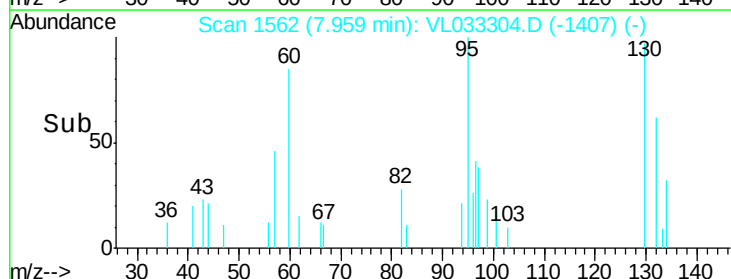
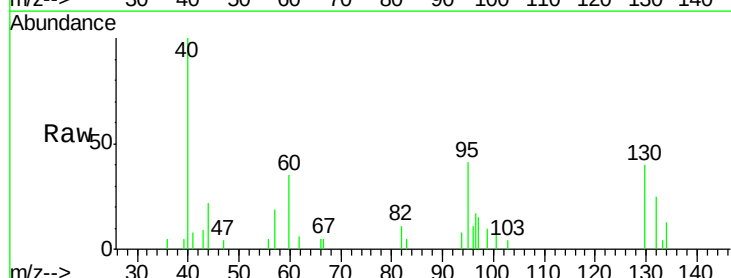
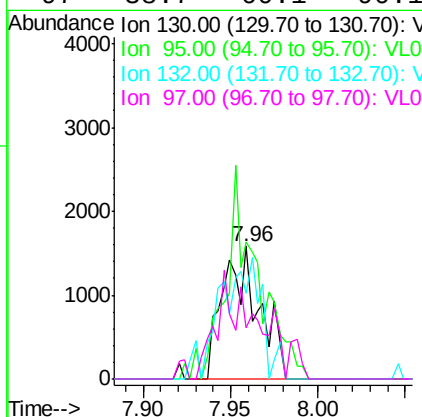
RT: 7.96 min Scan# 1562

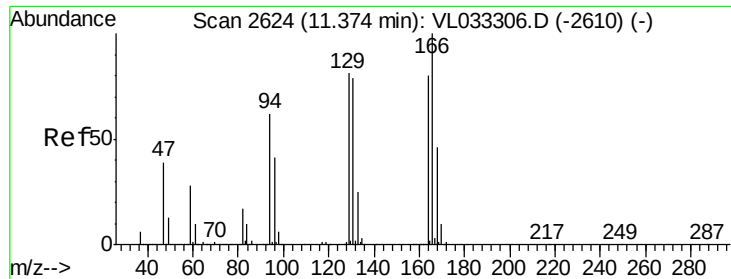
Delta R.T. -0.00 min

Lab File: VL033304.D

Acq: 13 Mar 2019 19:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	95.2	142.8
132	64.1	72.5	108.7#
97	38.7	60.1	90.1#





#52

Tetrachloroethene

Concen: 0.046 ppbv m

RT: 11.37 min Scan# 2623

Delta R.T. -0.00 min

Lab File: VL033304.D

Acq: 13 Mar 2019 19:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion:164 Resp: 2598

Ion Ratio Lower Upper

164 100

166 123.7 103.2 154.8

129 83.1 85.8 128.8#

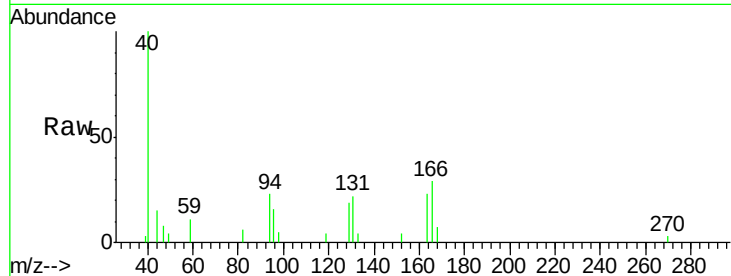
131 97.4 83.6 125.4

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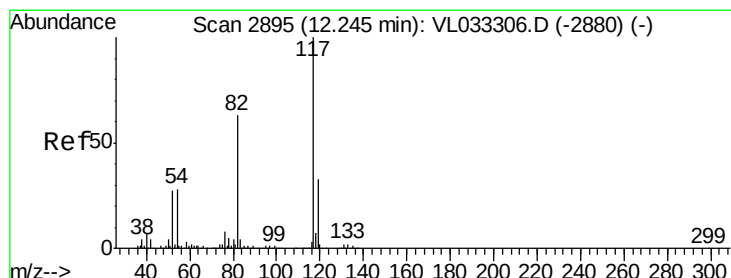
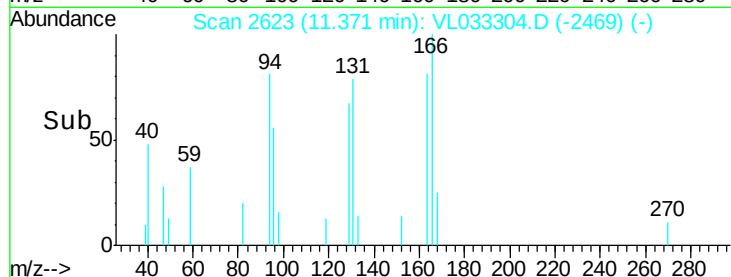
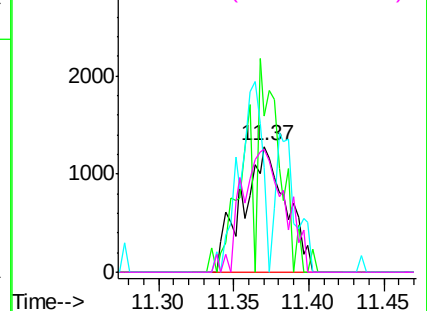


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.24 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL033304.D

Acq: 13 Mar 2019 19:43

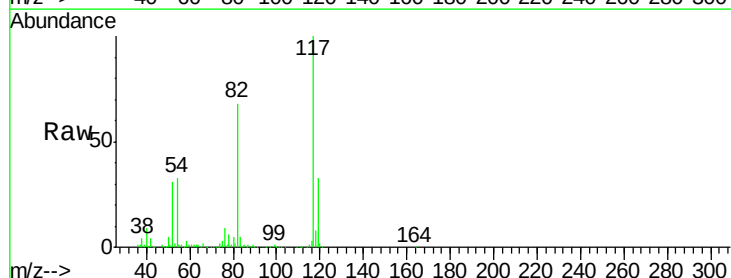
Tgt Ion:117 Resp: 1889779

Ion Ratio Lower Upper

117 100

82 68.0 51.3 76.9

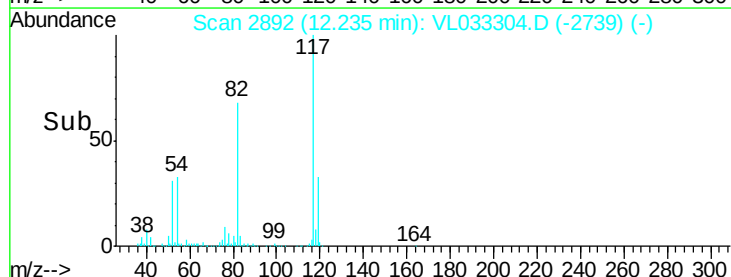
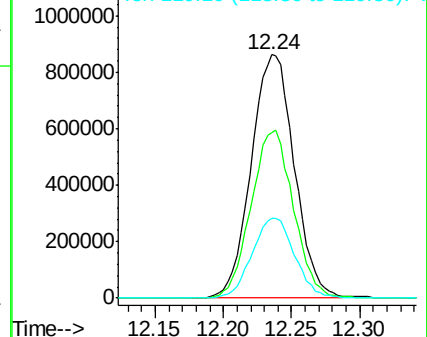
119 32.6 27.0 40.4

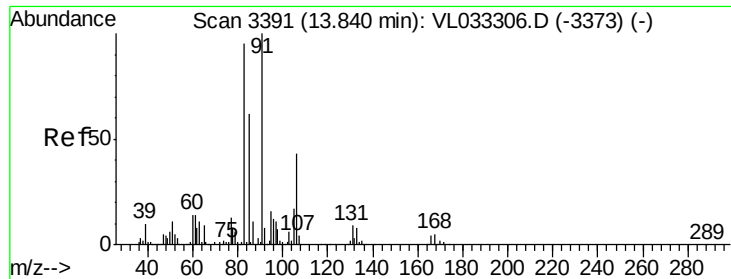


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





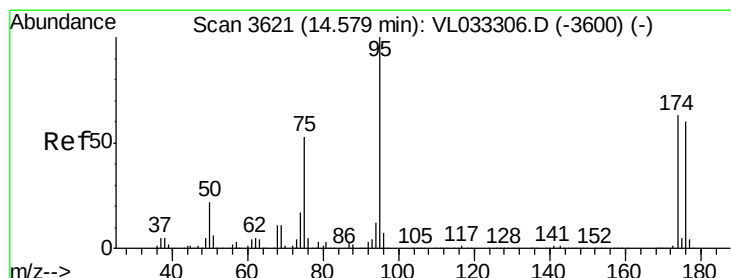
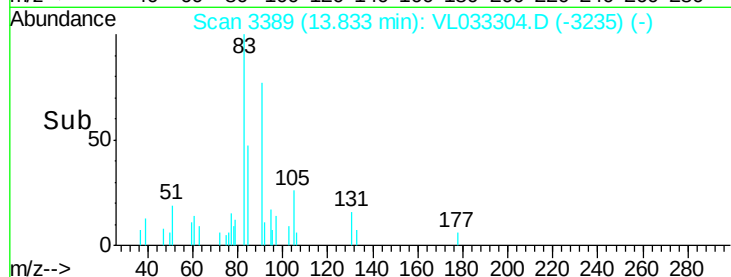
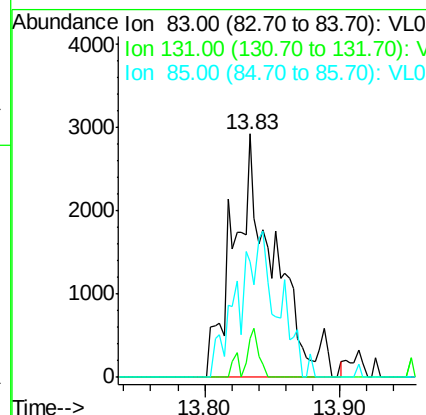
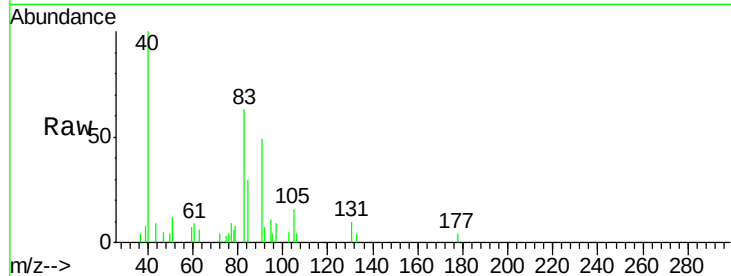
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.043 ppbv m
 RT: 13.83 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VL033304.D
 Acq: 13 Mar 2019 19:43

Instrument :
 MSVOA_L
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 VSTDIC0.03

Tgt Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	0.0	32.5	97.4#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.120 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.01 min
 Lab File: VL033304.D
 Acq: 13 Mar 2019 19:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.7	51.9	77.9
175	4.7	3.9	5.9

