

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL031519\
 Data File : VL033331.D
 Acq On : 15 Mar 2019 13:38
 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
 3/19/2019 10:02:25 AM

Quant Time: Mar 15 14:13:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 2019
 QLast Update : Fri Mar 15 12:24:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	839559	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1907122	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2071940	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1571494	9.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.30	62	2313m	0.044	ppbv	
32) 1,1,1-Trichloroethane	6.62	97	4305m	0.031	ppbv	
35) Carbon Tetrachloride	7.15	117	4464m	0.032	ppbv	
38) Trichloroethene	7.96	130	1876m	0.028	ppbv	
52) Tetrachloroethene	11.38	164	2417m	0.035	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.83	83	5817m	0.031	ppbv	

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

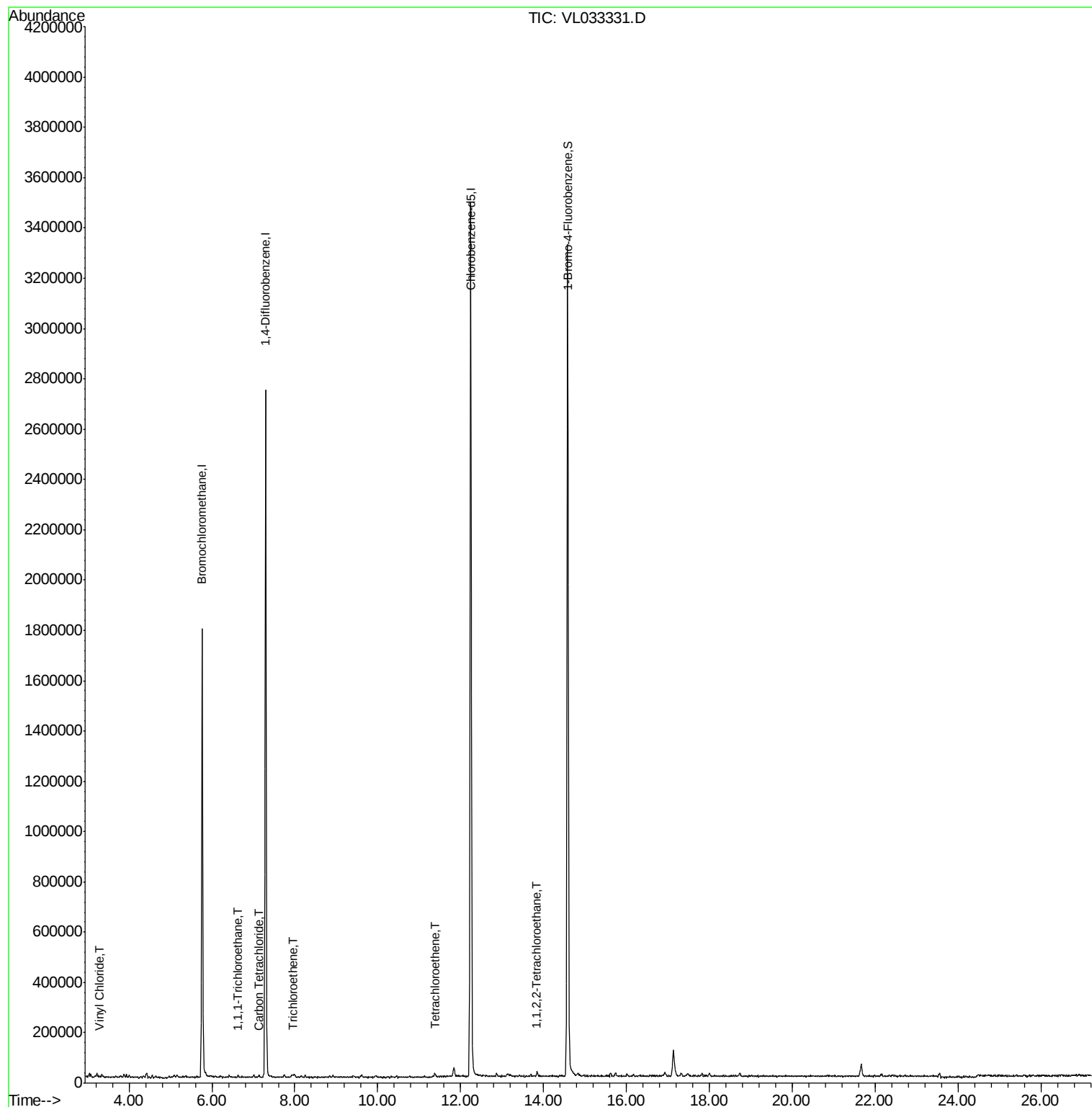
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL031519\
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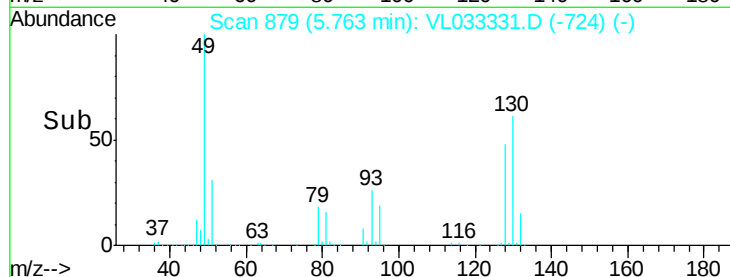
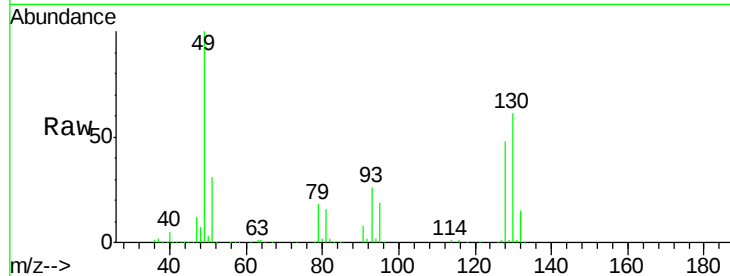
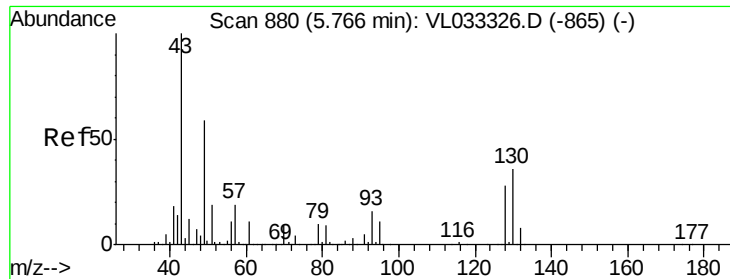
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

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Quant Time: Mar 15 14:13:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar
QLast Update : Fri Mar 15 12:24:28 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033331.D

Acq: 15 Mar 2019 13:38

Tot Ion:	49	Resp:	839559
Ion Ratio	Lower	Upper	
49	100		
128	47.2	23.5	70.6
130	60.6	30.1	90.3

Instrument :

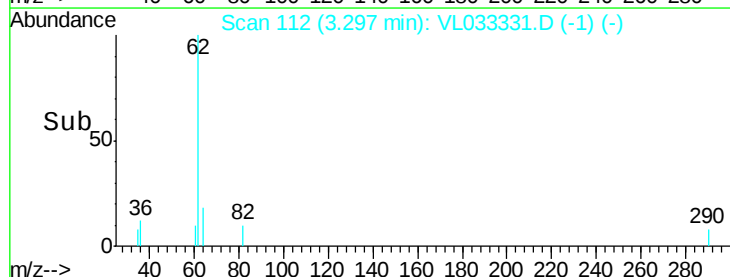
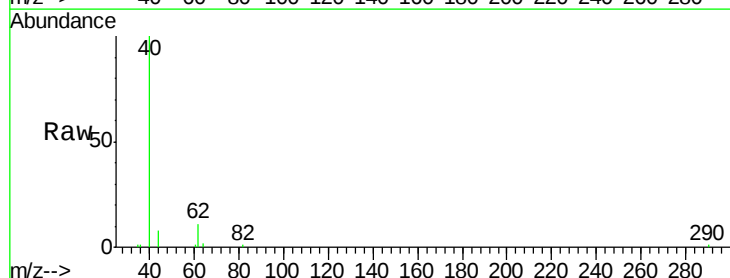
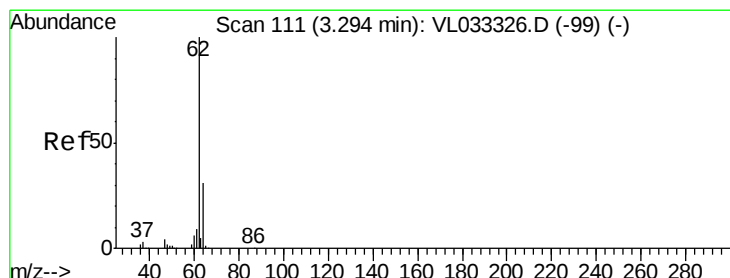
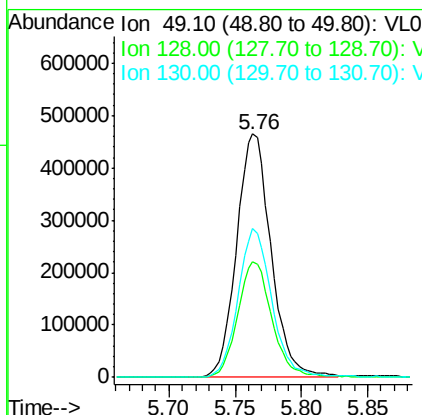
MSVOA_L

ClientSampleId :

VSTDIC0.03

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#5

Vinyl Chloride

Concen: 0.044 ppbv m

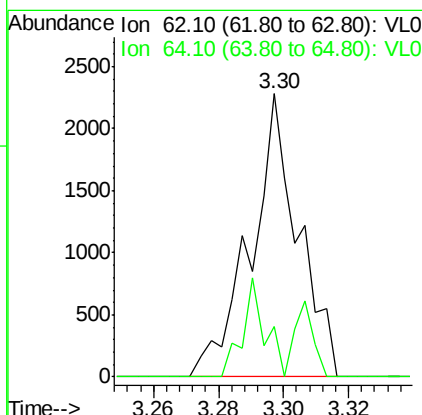
RT: 3.30 min Scan# 112

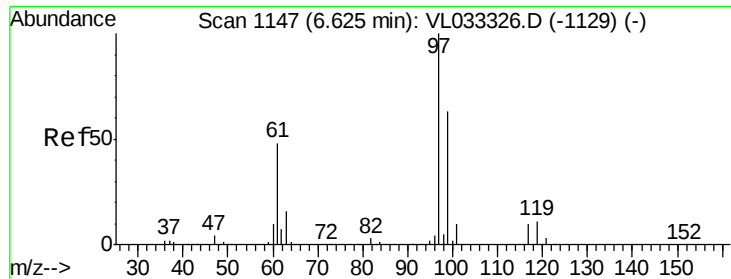
Delta R.T. 0.00 min

Lab File: VL033331.D

Acq: 15 Mar 2019 13:38

Tgt Ion:	62	Resp:	2313
Ion Ratio	Lower	Upper	
62	100		
64	18.0	25.0	37.6#





#32

1,1,1-Trichloroethane

Concen: 0.031 ppbv m

RT: 6.62 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VL033331.D

Acq: 15 Mar 2019 13:38

Instrument :

MSVOA_L

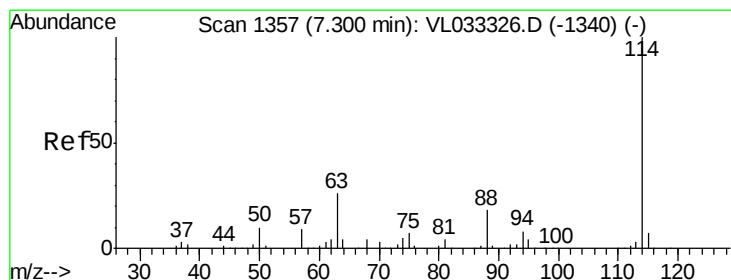
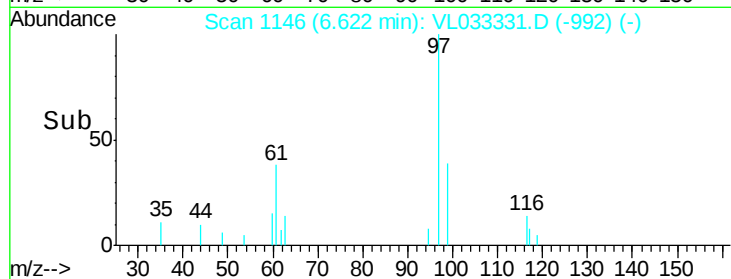
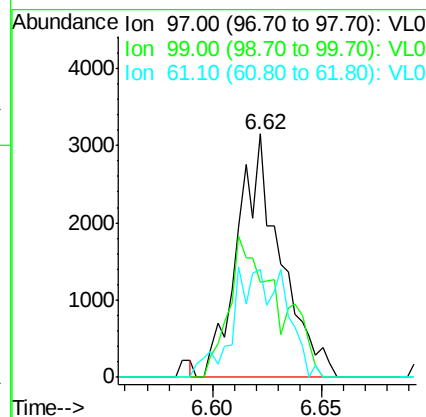
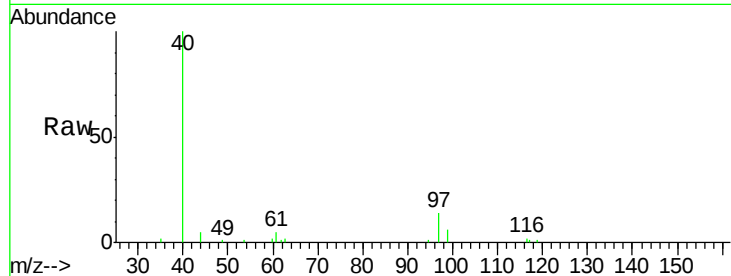
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	4305
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.0	76.6#
61	0.0	39.3	58.9#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

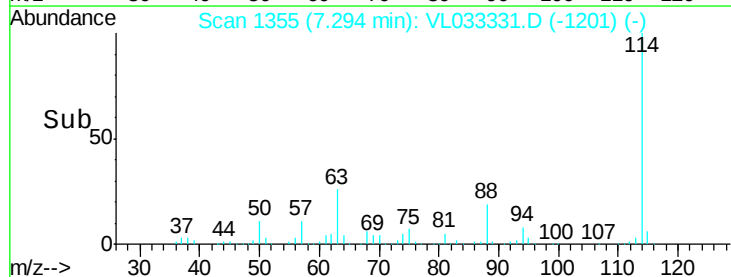
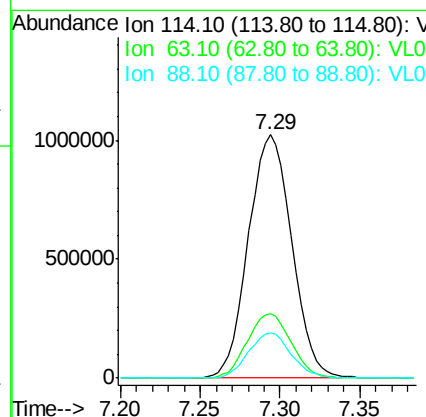
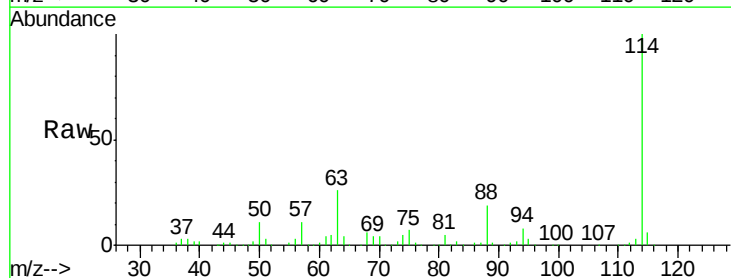
RT: 7.29 min Scan# 1355

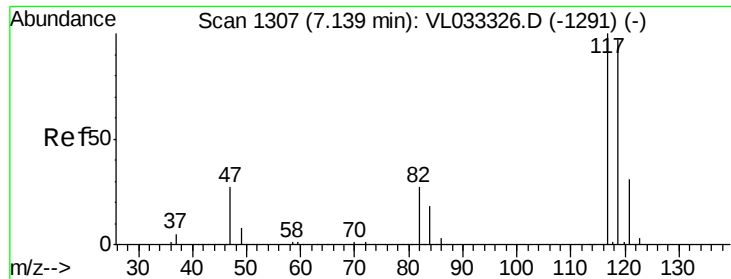
Delta R.T. -0.01 min

Lab File: VL033331.D

Acq: 15 Mar 2019 13:38

Tgt Ion:	114	Resp:	1907122
Ion Ratio	Lower	Upper	
114	100		
63	26.9	21.4	32.2
88	18.4	14.5	21.7





#35

Carbon Tetrachloride

Concen: 0.032 ppbv m

RT: 7.15 min Scan# 1309

Delta R.T. 0.01 min

Lab File: VL033331.D

Acq: 15 Mar 2019 13:38

Instrument :

MSVOA_L

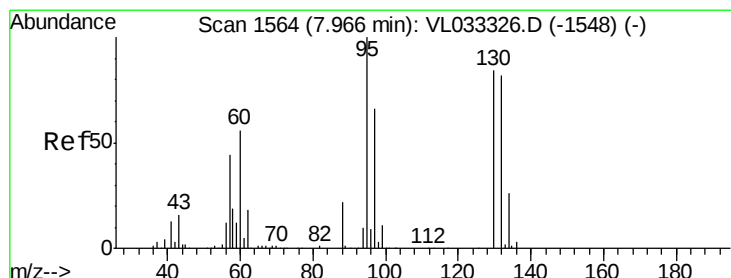
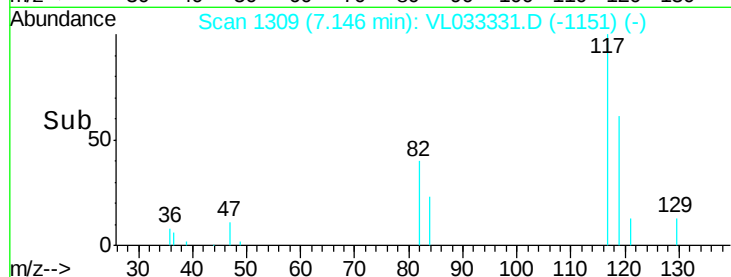
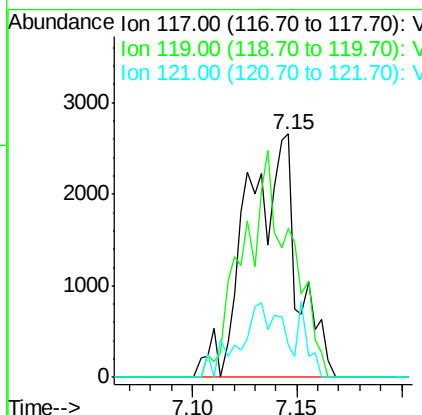
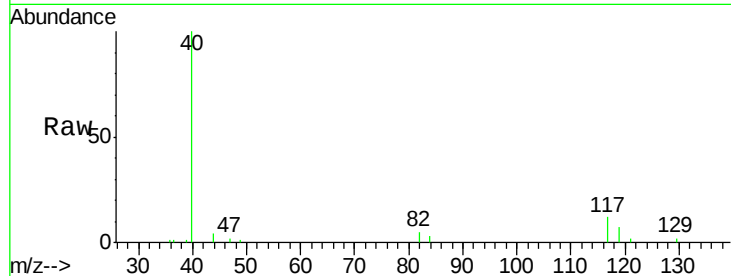
ClientSampleId :

VSTDIC0.03

Tot Ion:117 Resp: 4464
 Ion Ratio Lower Upper
 117 100
 119 61.4 77.4 116.0#
 121 13.5 24.9 37.3#

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#38

Trichloroethene

Concen: 0.028 ppbv m

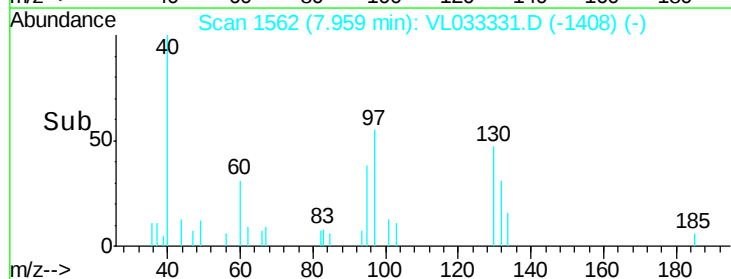
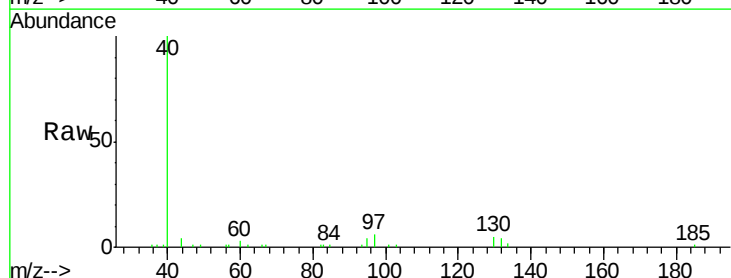
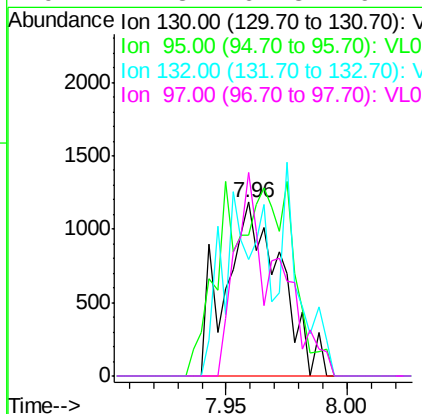
RT: 7.96 min Scan# 1562

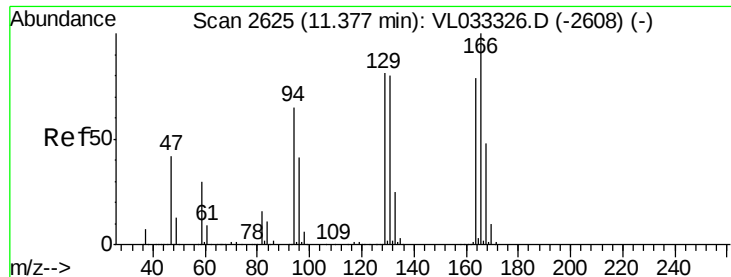
Delta R.T. -0.01 min

Lab File: VL033331.D

Acq: 15 Mar 2019 13:38

Tgt Ion:130 Resp: 1876
 Ion Ratio Lower Upper
 130 100
 95 81.0 95.2 142.8#
 132 67.1 77.7 116.5#
 97 117.3 62.8 94.2#





#52

Tetrachloroethene

Concen: 0.035 ppbv m

RT: 11.38 min Scan# 2625

Delta R.T. -0.00 min

Lab File: VL033331.D

Acq: 15 Mar 2019 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion:164 Resp: 2417

Ion Ratio Lower Upper

164 100

166 86.3 101.5 152.3#

129 84.6 82.2 123.2

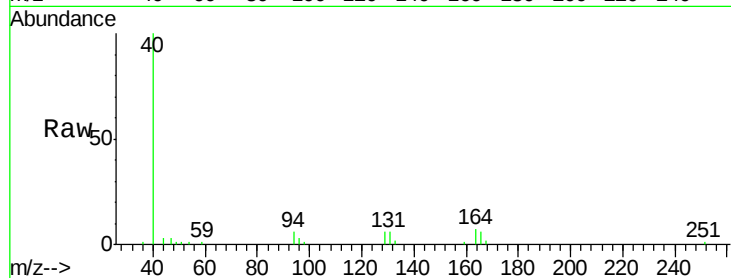
131 97.4 81.1 121.7

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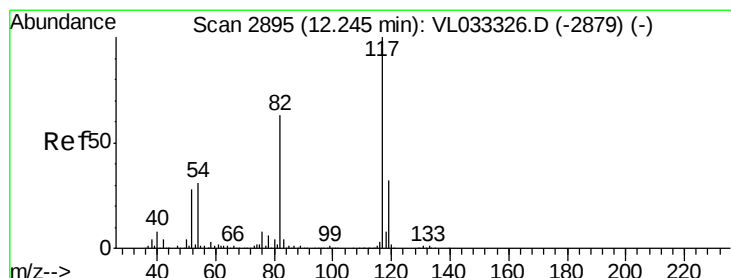
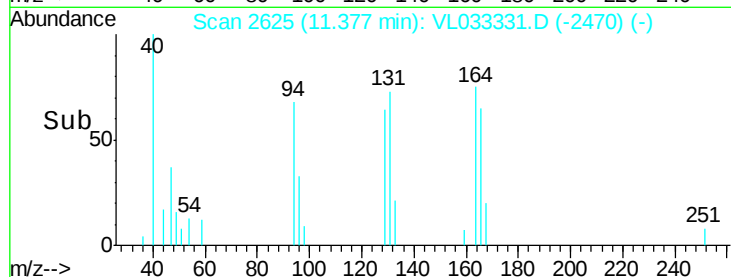
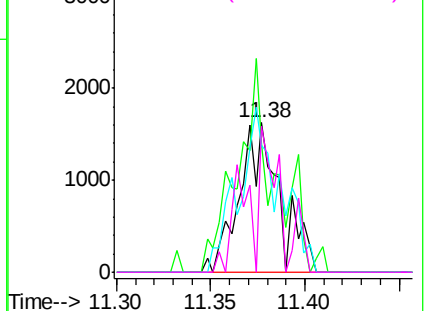


Abundance Ion 163.90 (163.60 to 164.60): V

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# 2894

Delta R.T. -0.00 min

Lab File: VL033331.D

Acq: 15 Mar 2019 13:38

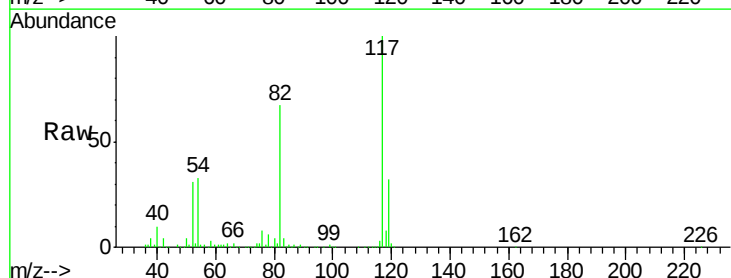
Tgt Ion:117 Resp: 2071940

Ion Ratio Lower Upper

117 100

82 68.0 53.4 80.2

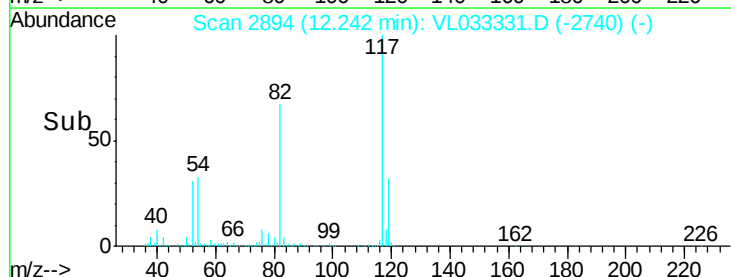
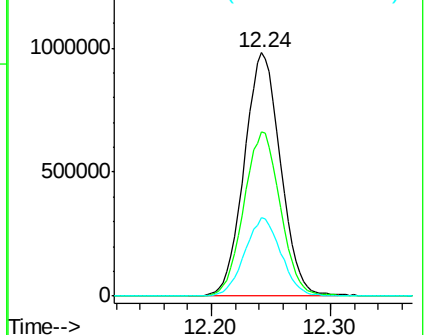
119 32.2 27.3 40.9

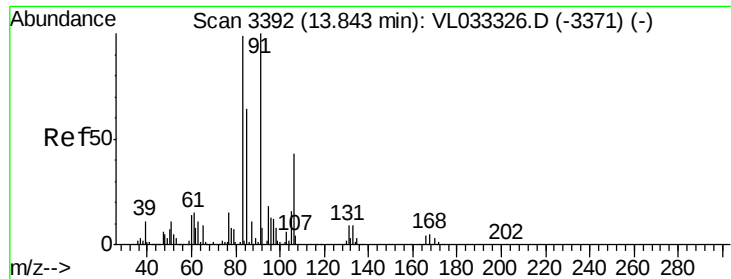


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





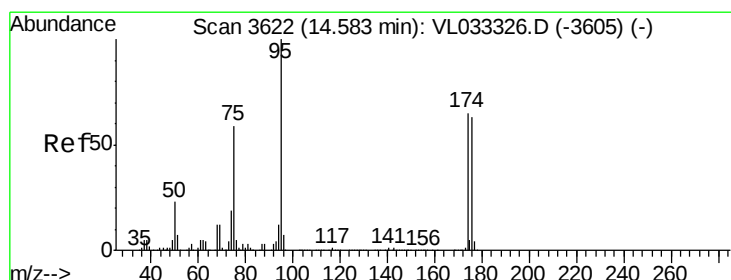
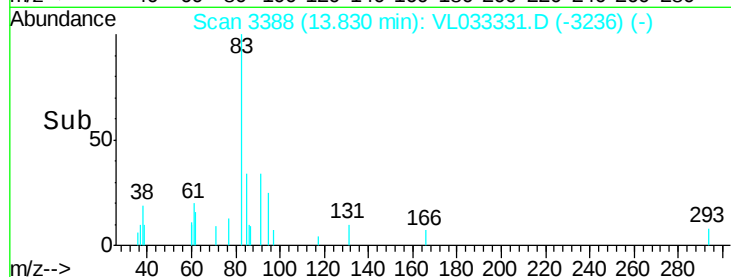
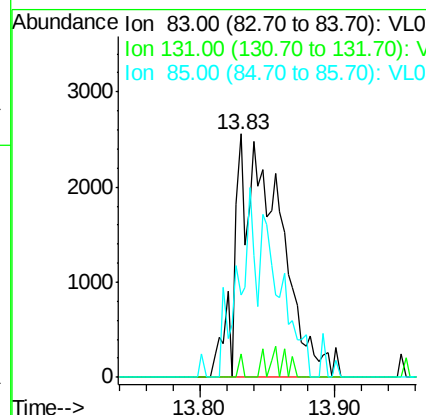
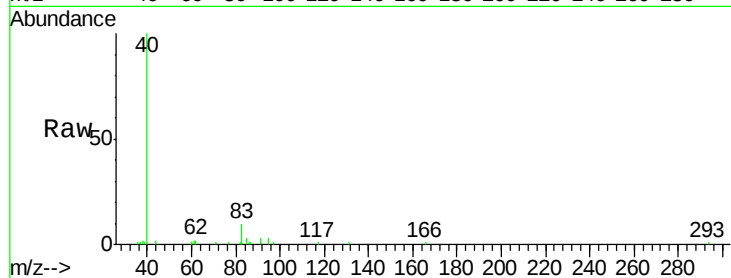
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.031 ppbv m
 RT: 13.83 min Scan# 3388
 Delta R.T. -0.01 min
 Lab File: VL033331.D
 Acq: 15 Mar 2019 13:38

Instrument :
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 VSTDIC0.03

Tot Ion: 83 Resp: 5817
 Ion Ratio Lower Upper
 83 100
 131 1.8 4.7 14.0#
 85 64.0 32.5 97.4

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.979 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.00 min
 Lab File: VL033331.D
 Acq: 15 Mar 2019 13:38

Tgt Ion: 95 Resp: 1571494
 Ion Ratio Lower Upper
 95 100
 174 64.6 51.5 77.3
 175 4.7 3.8 5.6

