

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
 Data File : VL033994.D
 Acq On : 2 Jul 2019 16:49
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Manual Integrations
 APPROVED

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 7/3/2019 11:03:33 PM

Quant Time: Jul 02 19:27:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 2019
 QLast Update : Tue Jul 02 16:27:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	948185	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2562560	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	2562367	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	2033729	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.28	62	3076m	0.052	ppbv	
32) 1,1,1-Trichloroethane	6.60	97	7207m	0.045	ppbv	
35) Carbon Tetrachloride	7.10	117	6994m	0.035	ppbv	
38) Trichloroethene	7.93	130	3177m	0.042	ppbv	
52) Tetrachloroethene	11.34	164	2158m	0.031	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.80	83	7555m	0.037	ppbv	

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

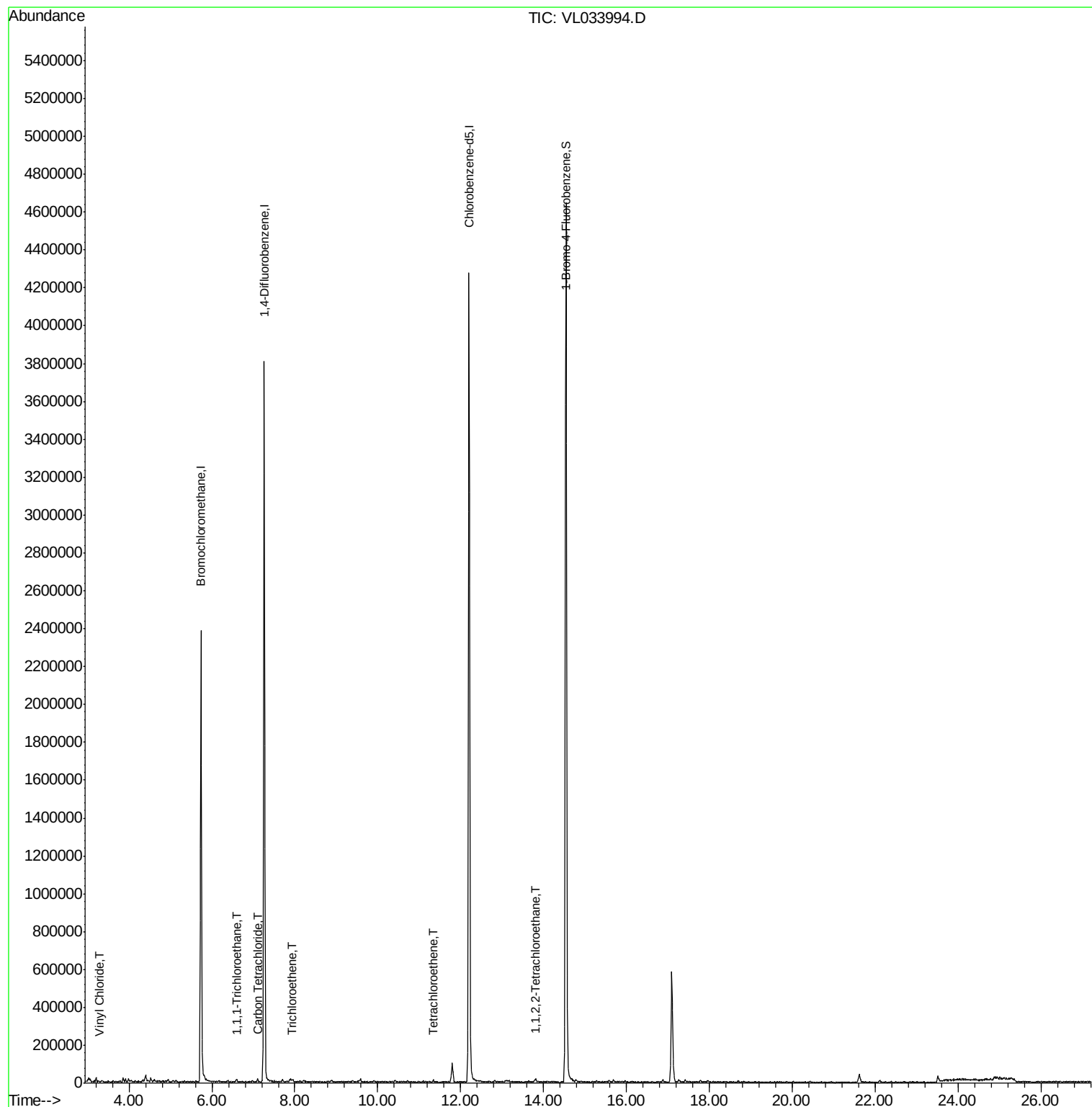
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL070219\
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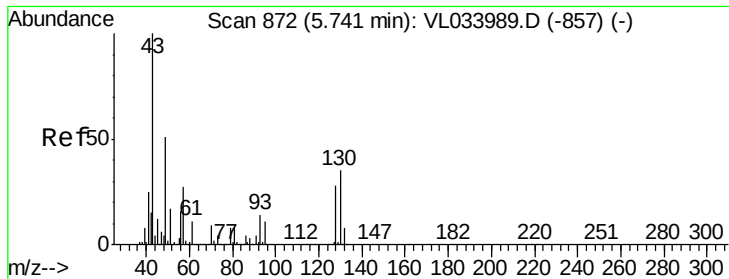
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

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Quant Time: Jul 02 19:27:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul
QLast Update : Tue Jul 02 16:27:55 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 869

Delta R.T. -0.01 min

Lab File: VL033994.D

Acq: 2 Jul 2019 16:49

Instrument :

MSVOA_L

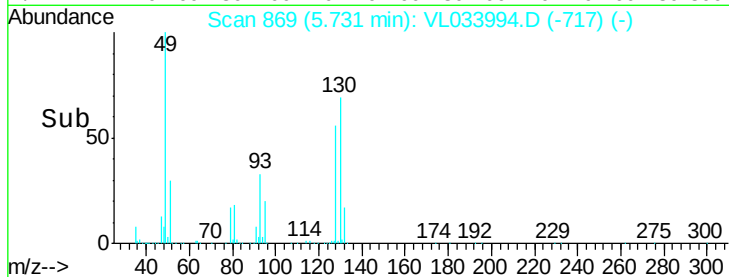
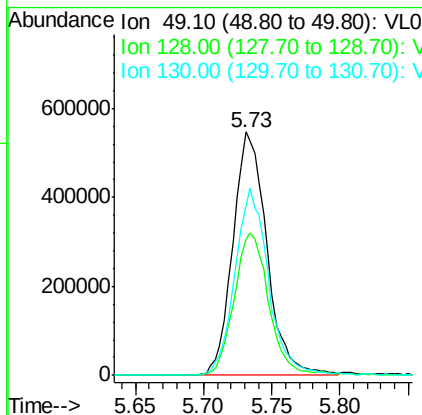
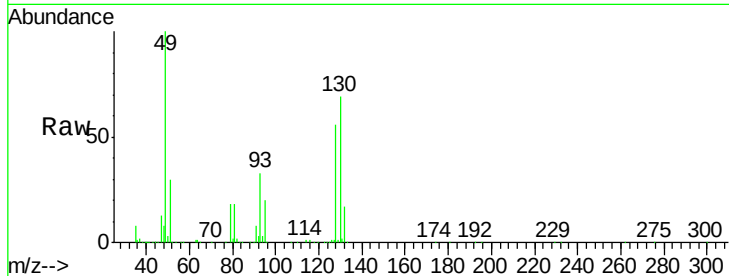
ClientSampleId :

VSTDIC0.03

Tot Ion	49	Resp	948185
Ion	Ratio	Lower	Upper
49	100		
128	60.2	27.9	83.6
130	76.6	35.8	107.4

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#5

Vinyl Chloride

Concen: 0.052 ppbv m

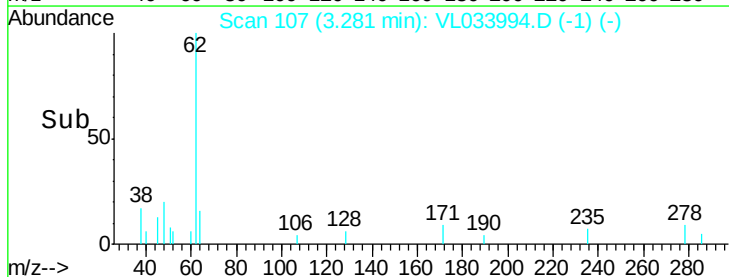
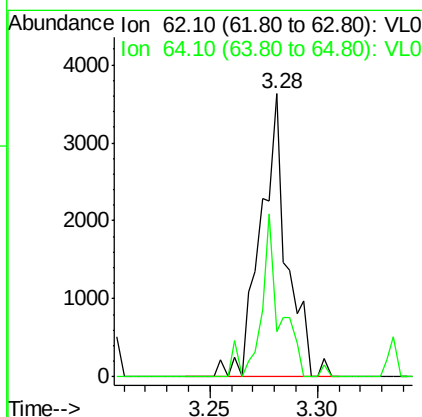
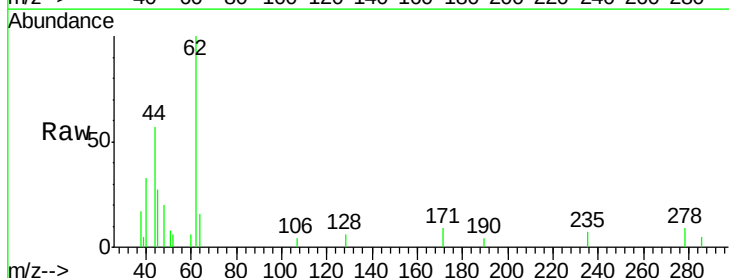
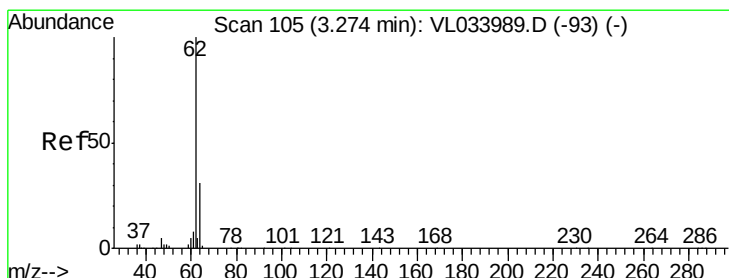
RT: 3.28 min Scan# 107

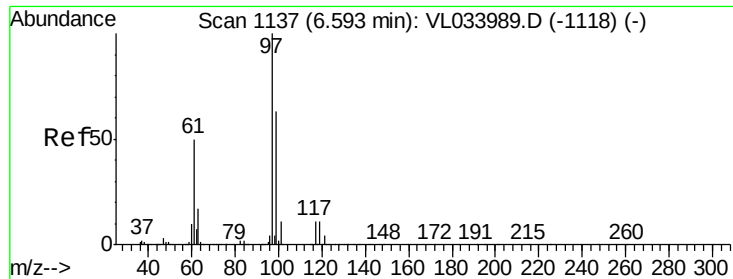
Delta R.T. 0.01 min

Lab File: VL033994.D

Acq: 2 Jul 2019 16:49

Tgt Ion	62	Resp	3076
Ion	Ratio	Lower	Upper
62	100		
64	16.0	24.4	36.6#





#32

1,1,1-Trichloroethane

Concen: 0.045 ppbv m

RT: 6.60 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VL033994.D

Acq: 2 Jul 2019 16:49

Instrument :

MSVOA_L

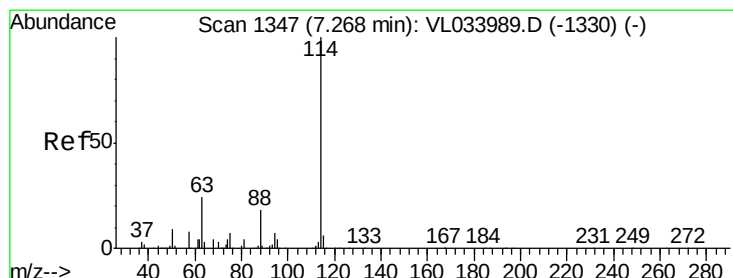
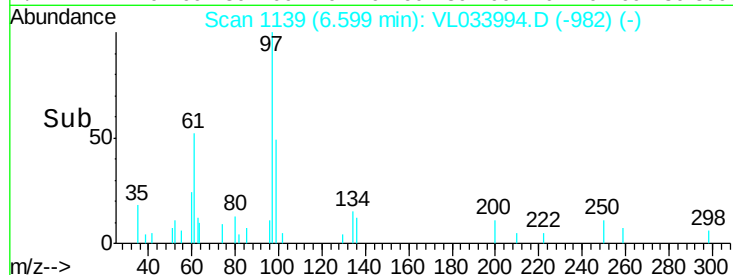
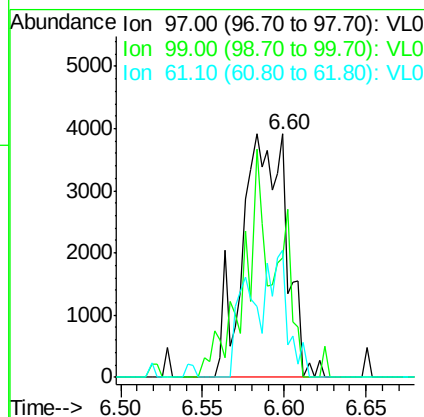
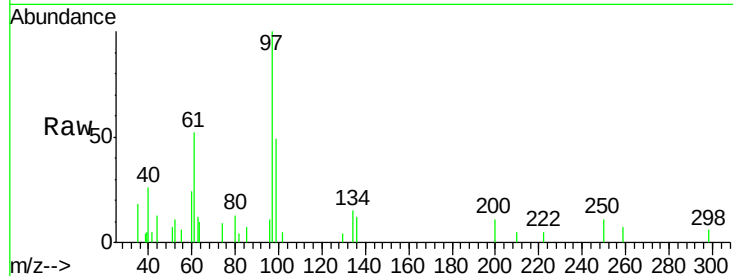
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	7207
Ion Ratio	Lower	Upper	
97	100		
99	69.7	51.9	77.9
61	0.0	39.8	59.8#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

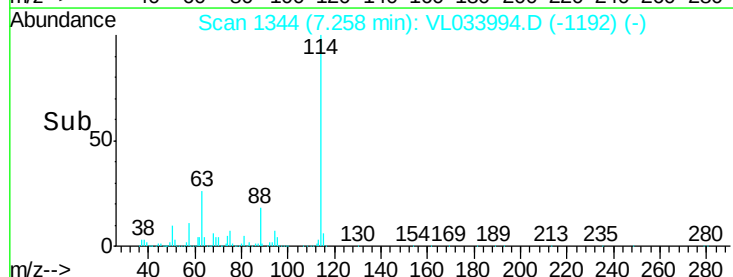
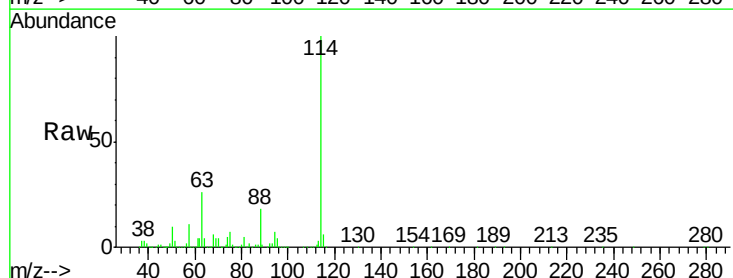
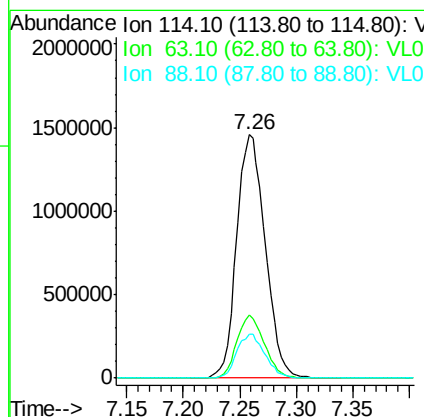
RT: 7.26 min Scan# 1344

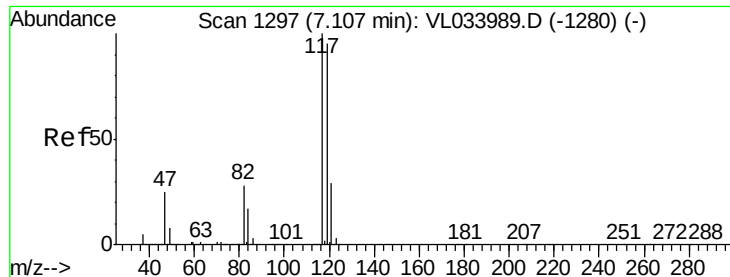
Delta R.T. -0.01 min

Lab File: VL033994.D

Acq: 2 Jul 2019 16:49

Tgt Ion:	114	Resp:	2562560
Ion Ratio	Lower	Upper	
114	100		
63	25.1	20.2	30.2
88	17.8	14.1	21.1





#35

Carbon Tetrachloride

Concen: 0.035 ppbv m

RT: 7.10 min Scan# 1295

Delta R.T. -0.01 min

Lab File: VL033994.D

Acq: 2 Jul 2019 16:49

Instrument :

MSVOA_L

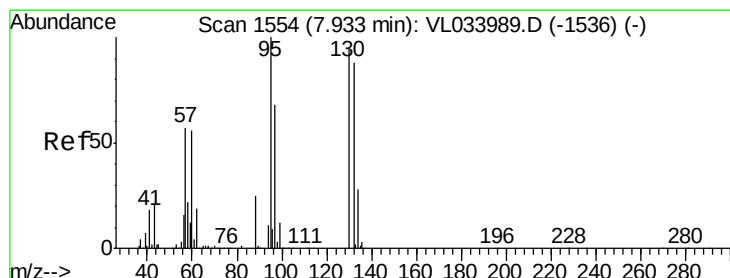
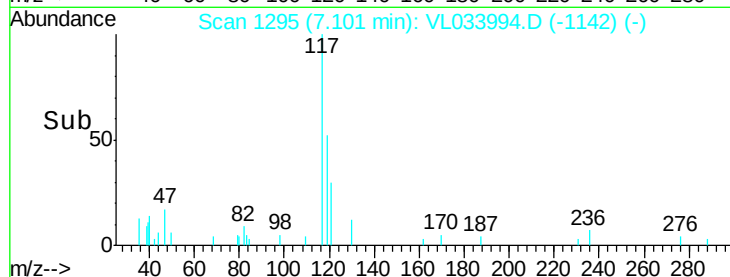
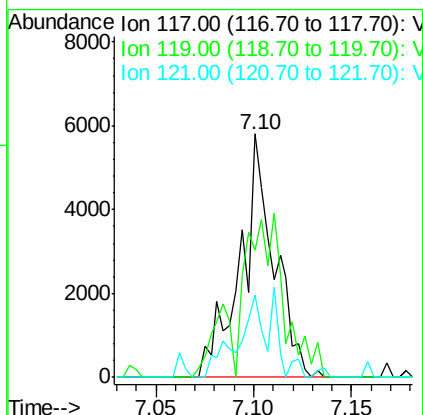
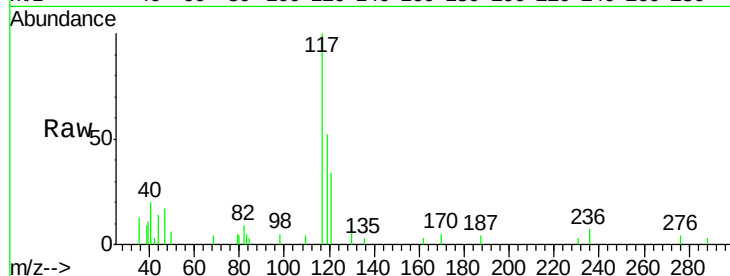
ClientSampleId :

VSTDIC0.03

Tot Ion:	117	Resp:	6994
Ion Ratio	Lower	Upper	
117	100		
119	52.4	75.8	113.6#
121	33.9	23.4	35.2

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#38

Trichloroethene

Concen: 0.042 ppbv m

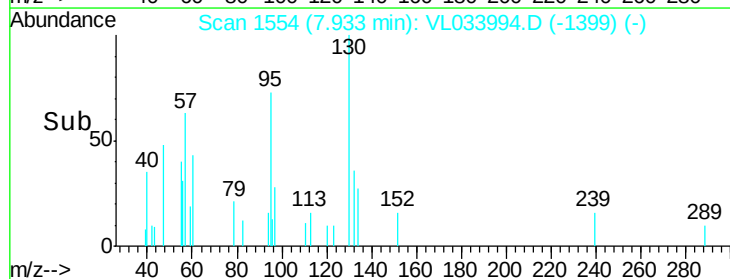
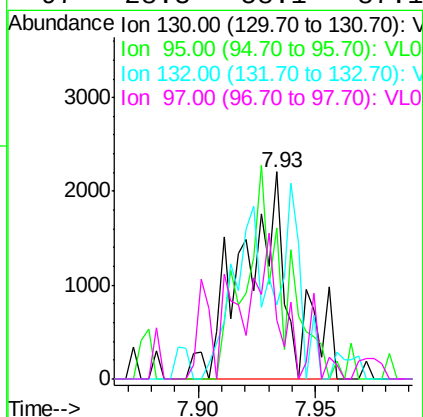
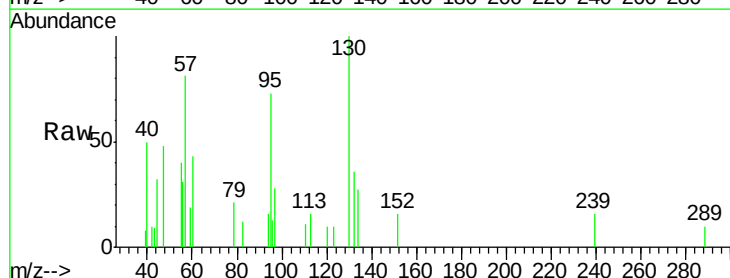
RT: 7.93 min Scan# 1554

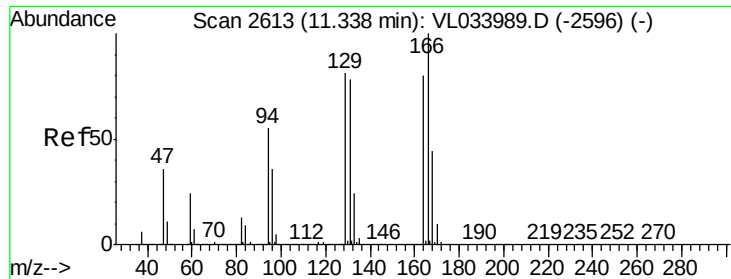
Delta R.T. -0.00 min

Lab File: VL033994.D

Acq: 2 Jul 2019 16:49

Tgt Ion:	130	Resp:	3177
Ion Ratio	Lower	Upper	
130	100		
95	73.2	85.5	128.3#
132	36.0	75.1	112.7#
97	28.3	58.1	87.1#





#52

Tetrachloroethene

Concen: 0.031 ppbv m

RT: 11.34 min Scan# 2614

Delta R.T. 0.00 min

Lab File: VL033994.D

Acq: 2 Jul 2019 16:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion:164 Resp: 2158

Ion Ratio Lower Upper

164 100

166 112.9 100.2 150.2

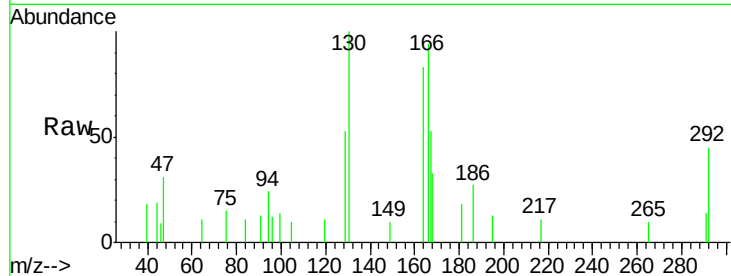
129 0.0 81.0 121.6#

131 0.0 78.3 117.5#

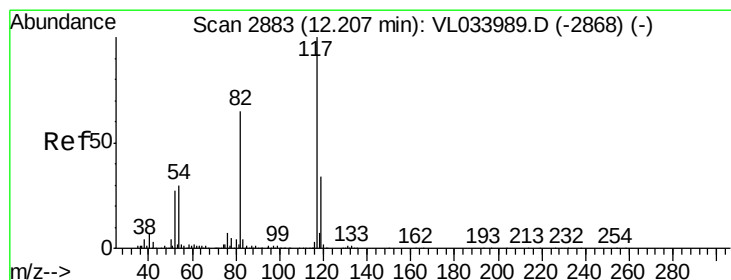
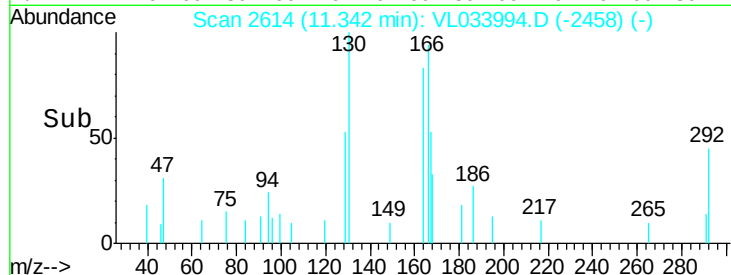
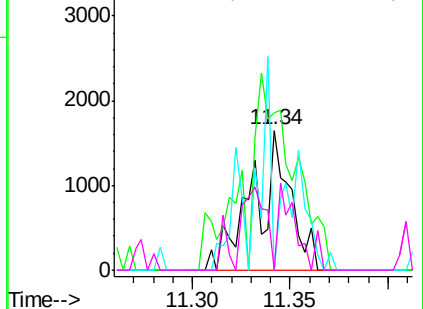
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Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.20 min Scan# 2882

Delta R.T. -0.00 min

Lab File: VL033994.D

Acq: 2 Jul 2019 16:49

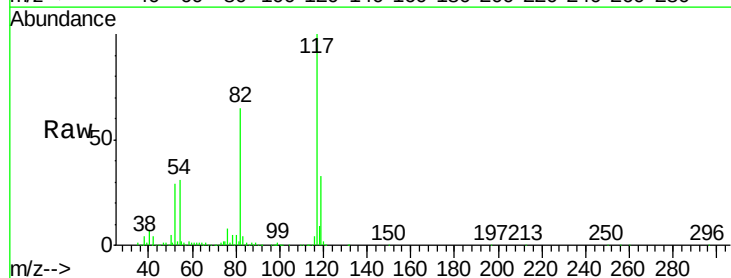
Tgt Ion:117 Resp: 2562367

Ion Ratio Lower Upper

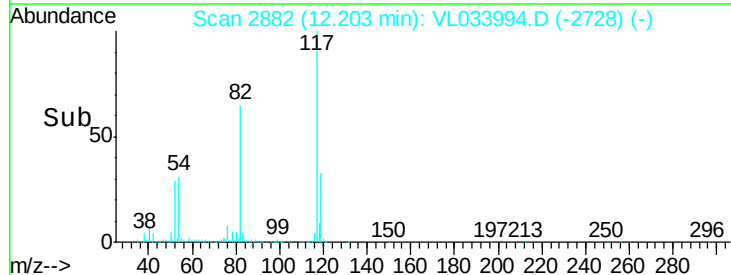
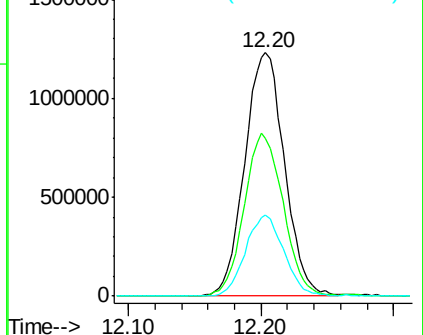
117 100

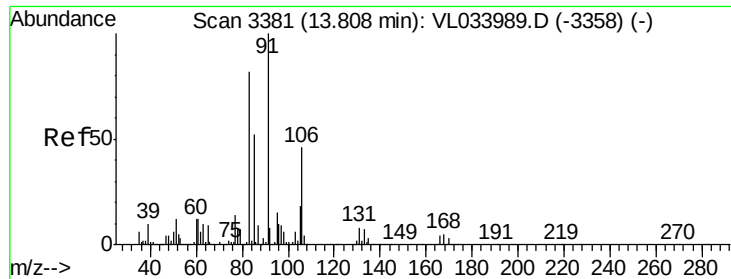
82 66.2 50.8 76.2

119 32.5 24.0 36.0



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





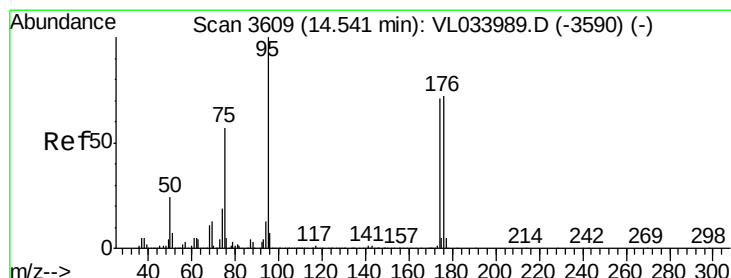
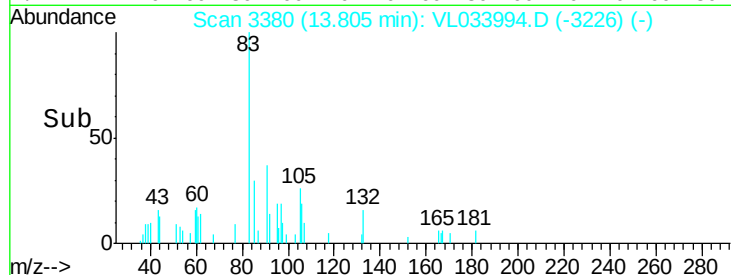
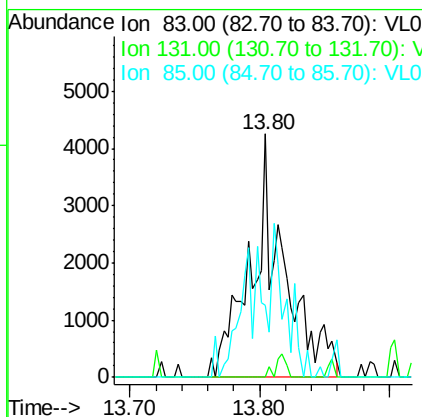
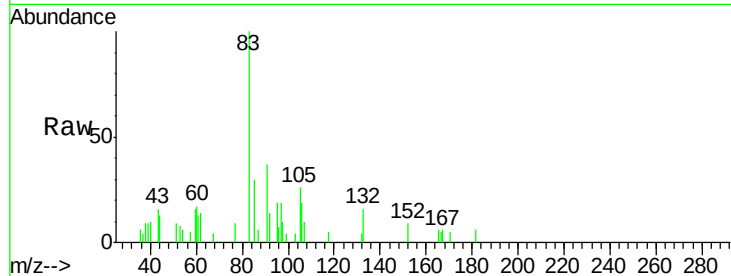
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.037 ppbv m
 RT: 13.80 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VL033994.D
 Acq: 2 Jul 2019 16:49

Instrument :
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 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	0.0	32.8	98.3#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.663 ppbv
 RT: 14.54 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VL033994.D
 Acq: 2 Jul 2019 16:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.9	60.5	90.7
175	5.0	4.0	6.0

