

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012819\
 Data File : VL033119.D
 Acq On : 28 Jan 2019 18:50
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
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Quant Time: Jan 28 19:57:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 28 2019
 QLast Update : Mon Jan 28 16:32:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1138808	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3779127	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3515008	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2575908	9.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.29	62	4189	0.056	ppbv	# 78
32) 1,1,1-Trichloroethane	6.62	97	13064m	0.060	ppbv	
35) Carbon Tetrachloride	7.12	117	14147m	0.044	ppbv	
38) Trichloroethene	7.96	130	5196m	0.041	ppbv	
52) Tetrachloroethene	11.37	164	3797m	0.035	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.84	83	11615m	0.039	ppbv	

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

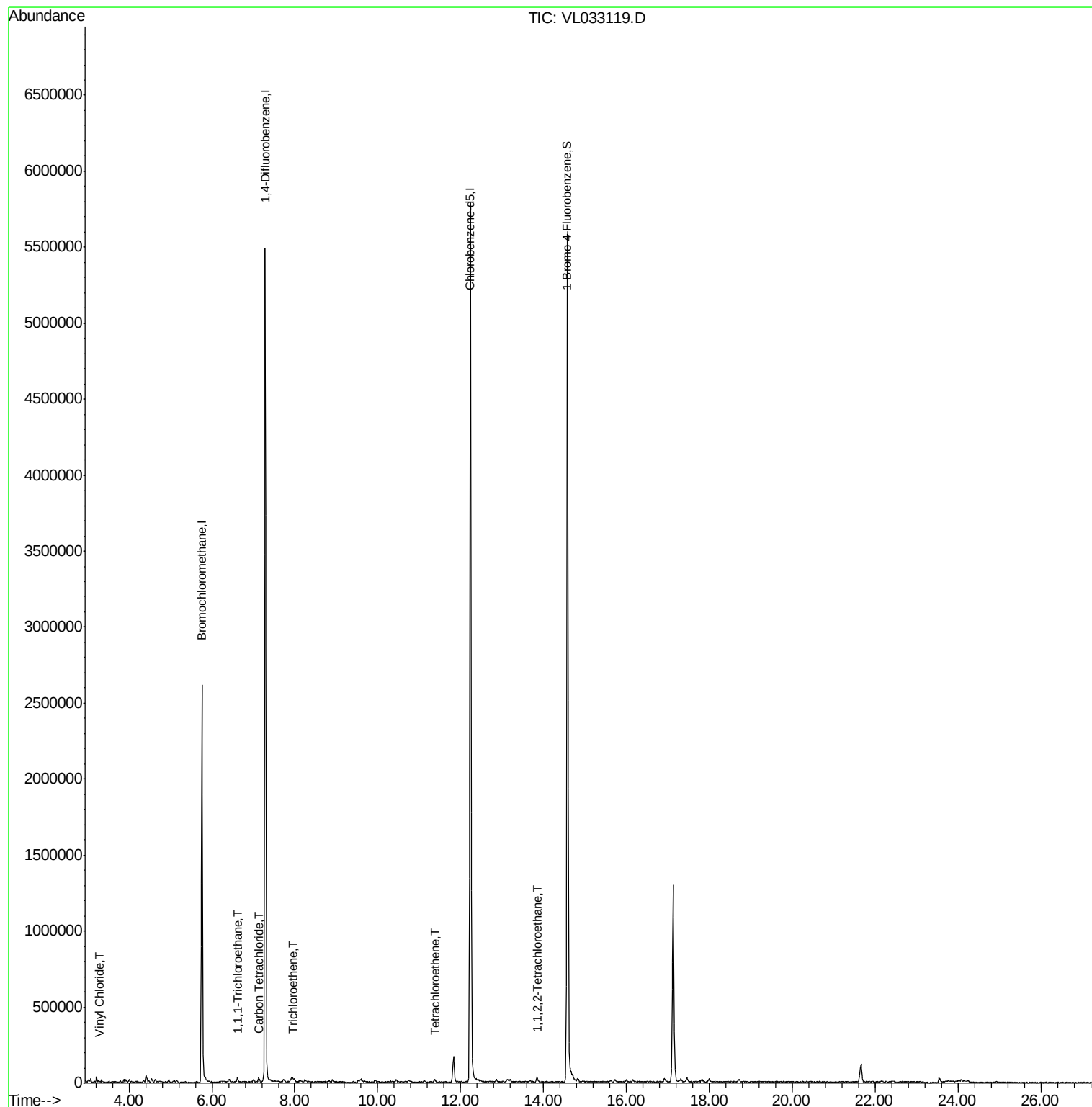
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL012819\
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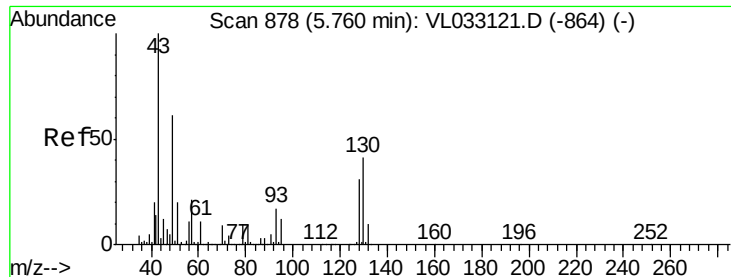
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

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Quant Time: Jan 28 19:57:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL012819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan
QLast Update : Mon Jan 28 16:32:44 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033119.D

Acq: 28 Jan 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1138808

Ion Ratio Lower Upper

49 100

128 52.7 25.9 77.7

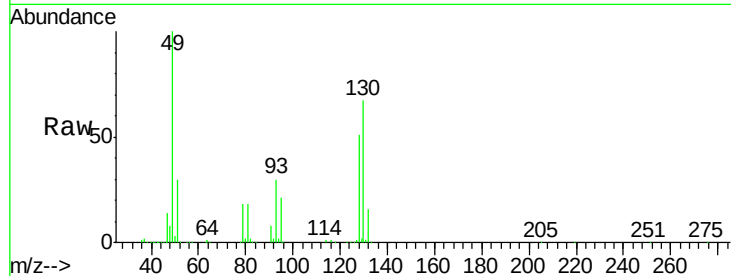
130 67.6 32.9 98.7

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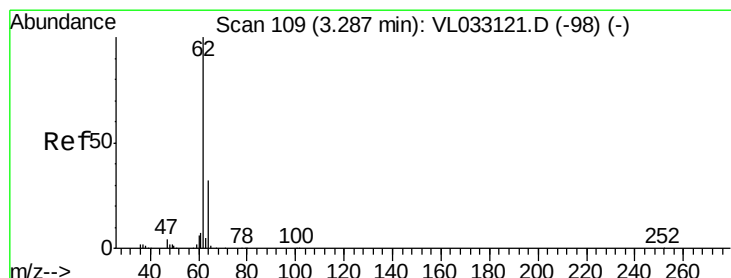
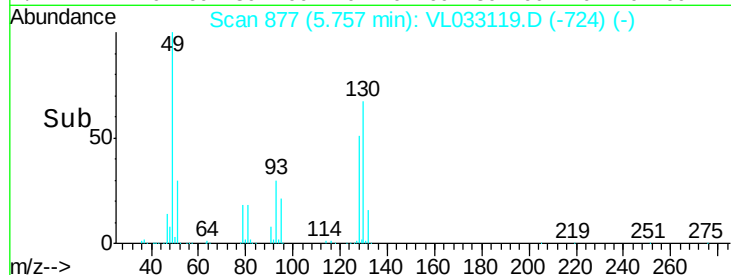
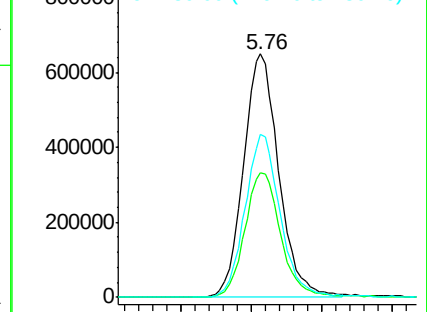
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.056 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033119.D

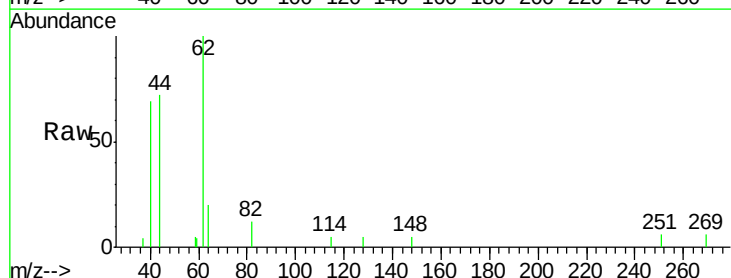
Acq: 28 Jan 2019 18:50

Tgt Ion: 62 Resp: 4189

Ion Ratio Lower Upper

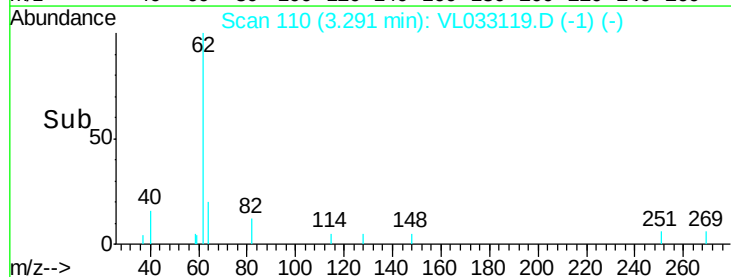
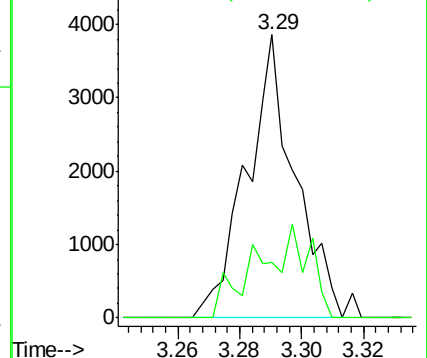
62 100

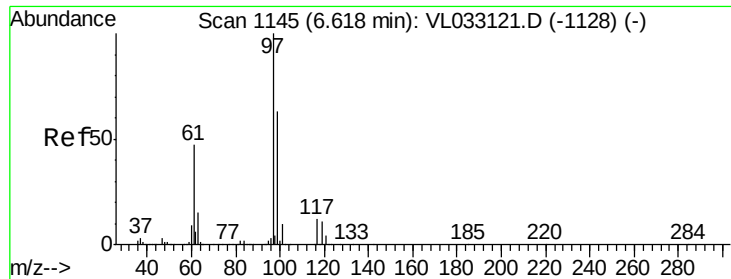
64 19.8 25.7 38.5#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#32

1,1,1-Trichloroethane

Concen: 0.060 ppbv m

RT: 6.62 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VL033119.D

Acq: 28 Jan 2019 18:50

Instrument :

MSVOA_L

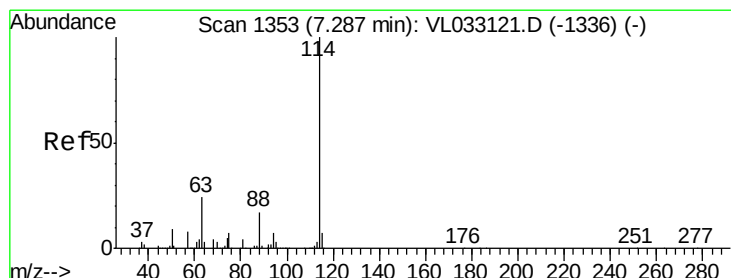
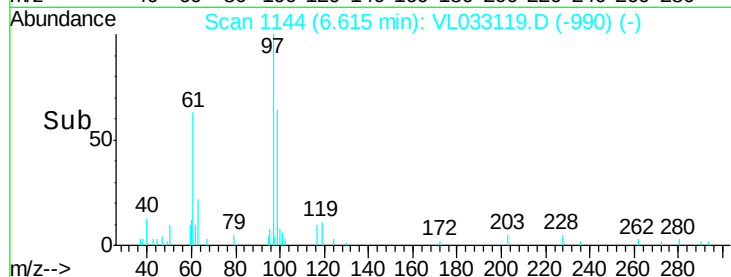
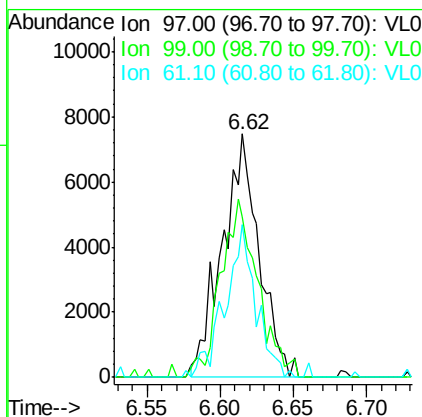
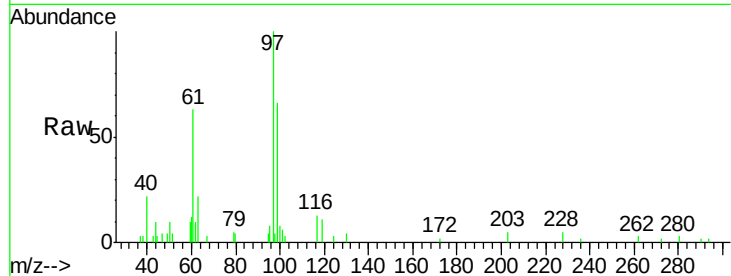
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	13064
Ion	Ratio	Lower	Upper
97	100		
99	74.4	51.7	77.5
61	52.9	38.6	57.8

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

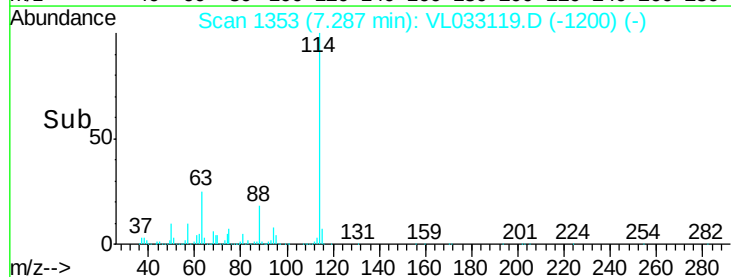
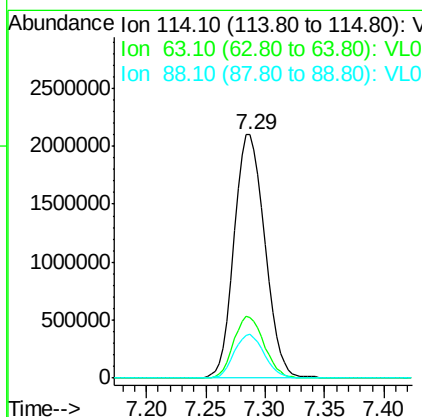
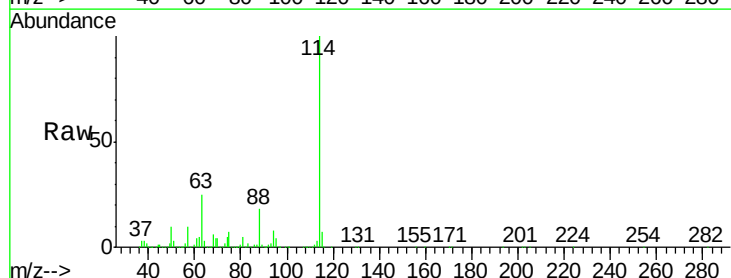
RT: 7.29 min Scan# 1353

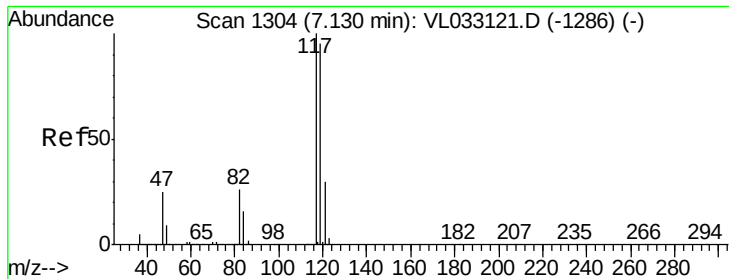
Delta R.T. -0.01 min

Lab File: VL033119.D

Acq: 28 Jan 2019 18:50

Tgt Ion:	114	Resp:	3779127
Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.8	29.8
88	17.7	14.2	21.2





#35

Carbon Tetrachloride

Concen: 0.044 ppbv m

RT: 7.12 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VL033119.D

Acq: 28 Jan 2019 18:50

Instrument :

MSVOA_L

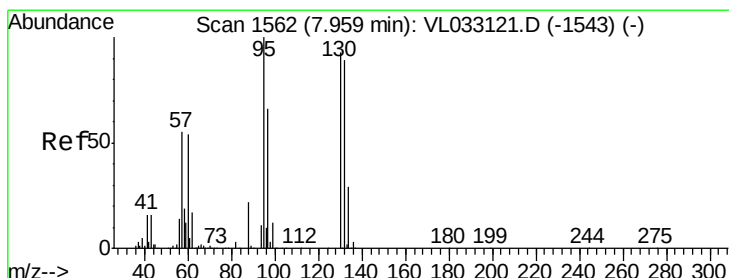
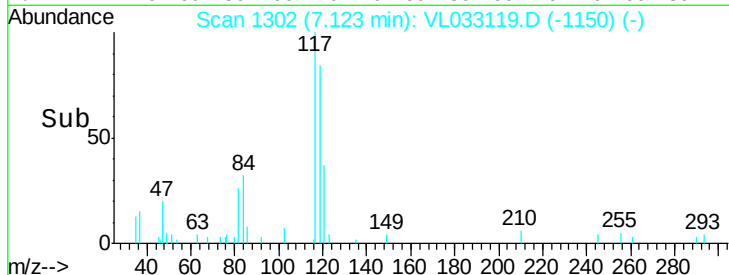
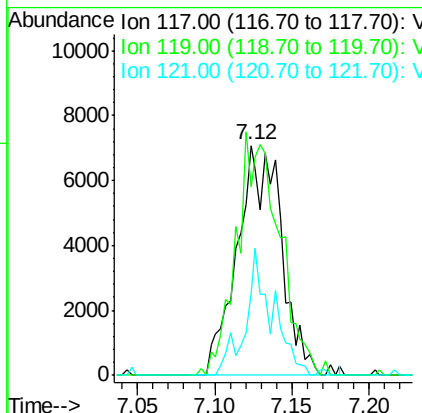
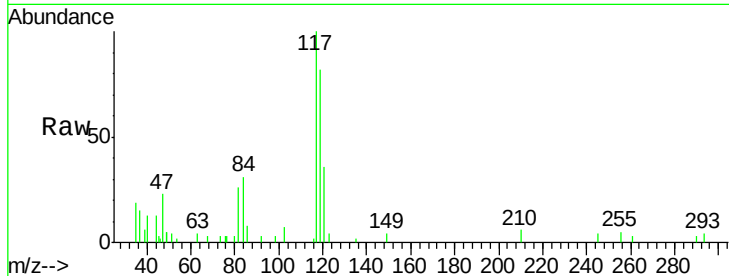
ClientSampleId :

VSTDIC0.03

Tot Ion:	117	Resp:	14147
Ion Ratio	Lower	Upper	
117	100		
119	82.2	75.8	113.6
121	36.1	24.6	36.8

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#38

Trichloroethene

Concen: 0.041 ppbv m

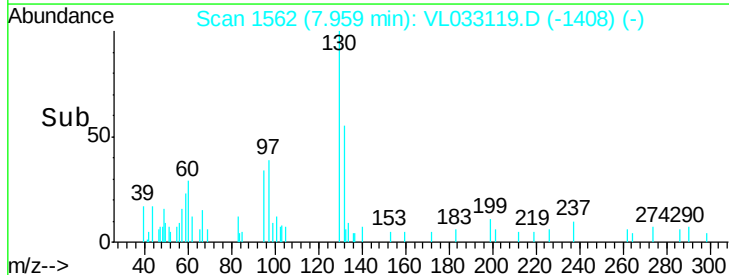
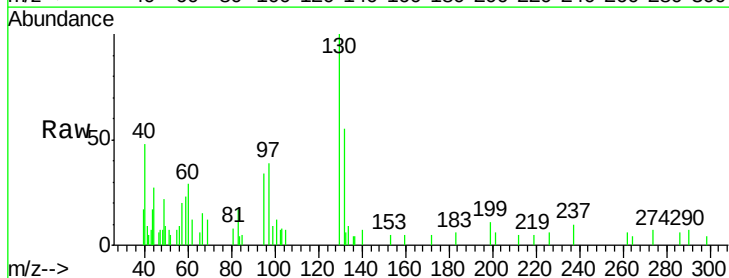
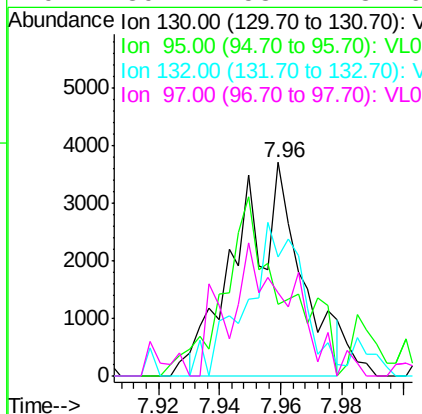
RT: 7.96 min Scan# 1562

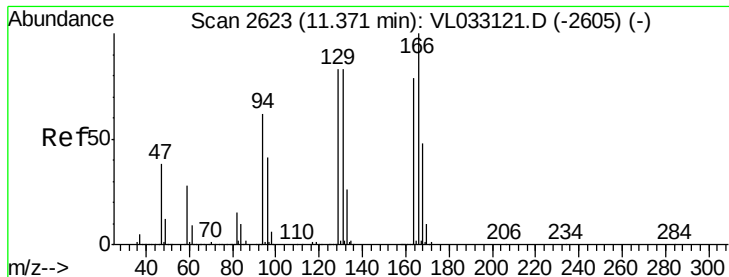
Delta R.T. -0.00 min

Lab File: VL033119.D

Acq: 28 Jan 2019 18:50

Tgt Ion:	130	Resp:	5196
Ion Ratio	Lower	Upper	
130	100		
95	33.8	94.0	141.0#
132	55.5	79.7	119.5#
97	39.2	58.4	87.6#





#52

Tetrachloroethene

Concen: 0.035 ppbv m

RT: 11.37 min Scan# 2623

Delta R.T. -0.00 min

Lab File: VL033119.D

Acq: 28 Jan 2019 18:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion:164 Resp: 3797

Ion Ratio Lower Upper

164 100

166 79.3 101.3 151.9#

129 57.5 83.3 124.9#

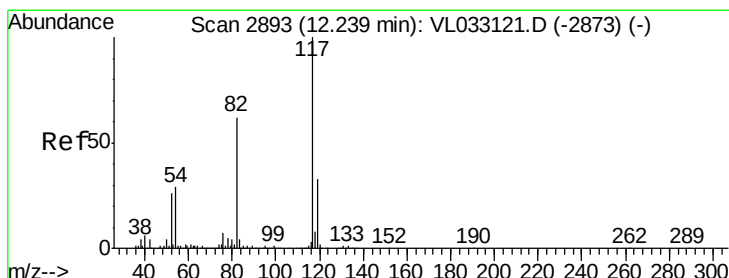
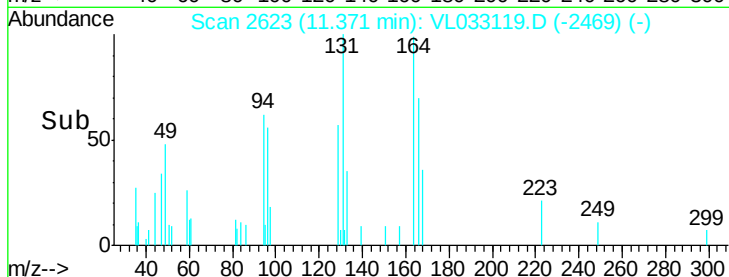
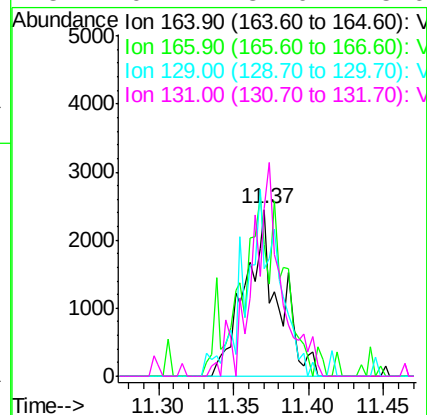
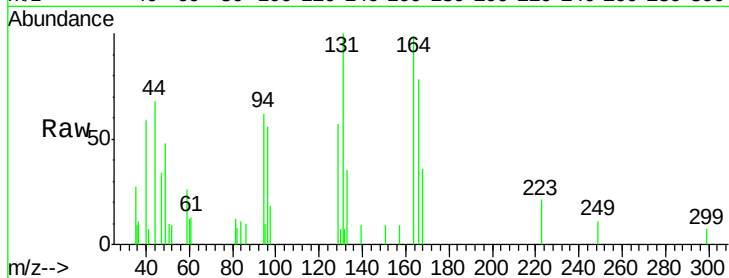
131 101.1 82.0 123.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL033119.D

Acq: 28 Jan 2019 18:50

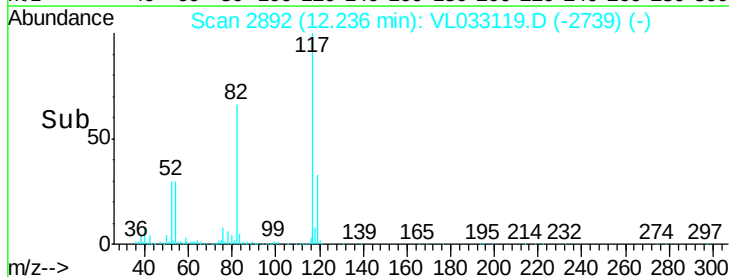
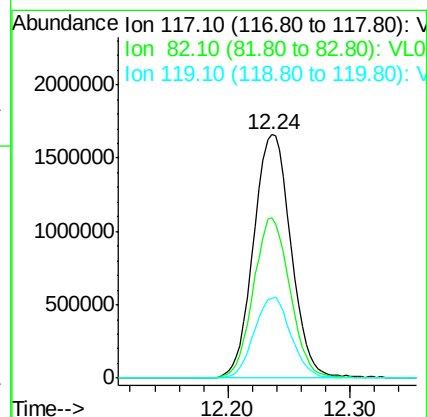
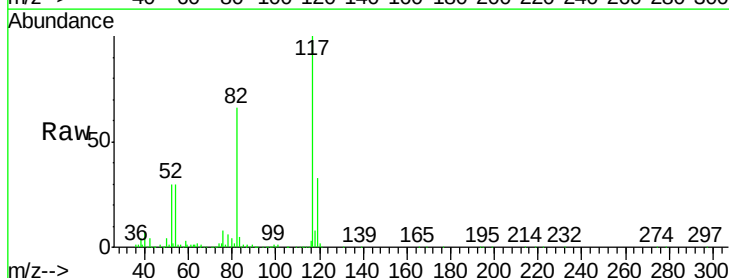
Tgt Ion:117 Resp: 3515008

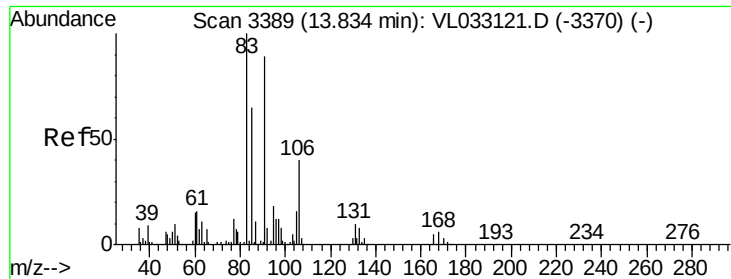
Ion Ratio Lower Upper

117 100

82 64.9 48.3 72.5

119 32.9 25.9 38.9





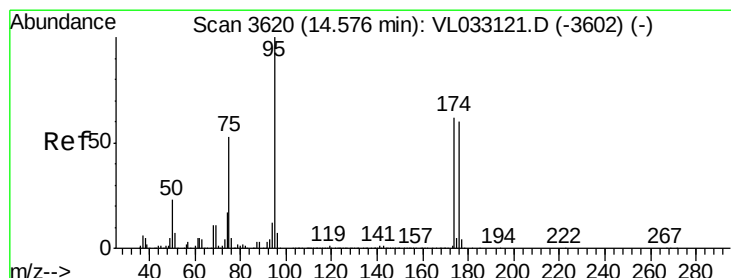
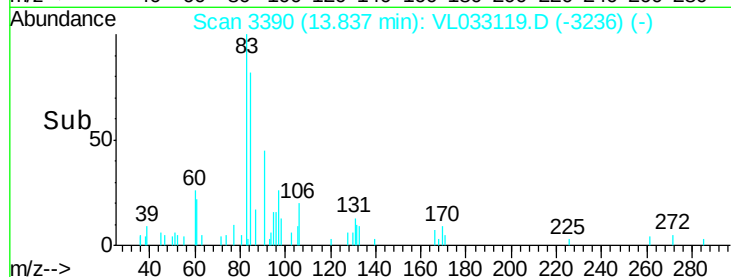
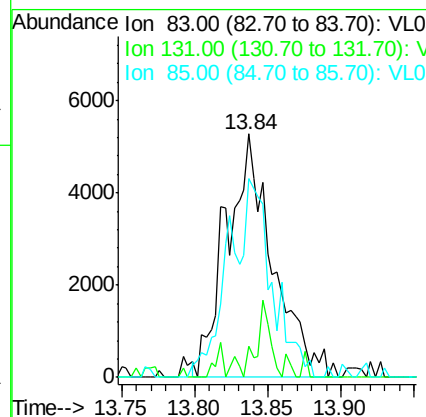
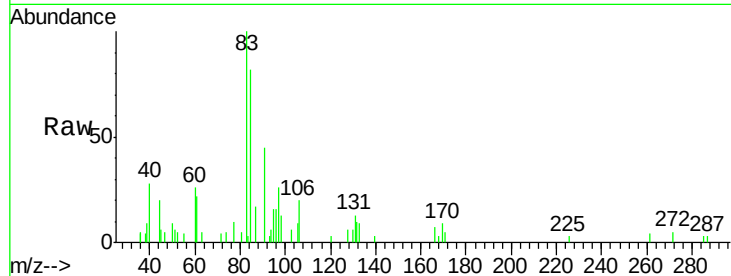
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.039 ppbv m
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VL033119.D
 Acq: 28 Jan 2019 18:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.6#
85	78.1	32.5	97.4

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.560 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL033119.D
 Acq: 28 Jan 2019 18:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.0	51.4	77.2
175	4.8	4.0	6.0

