

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061920\
 Data File : VL035100.D
 Acq On : 19 Jun 2020 18:27
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
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Quant Time: Jun 20 02:02:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 01:15:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1320073	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3041578	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2869149	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2473576	10.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.21	62	7971m	0.095	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	18633m	0.099	ppbv	
35) Carbon Tetrachloride	7.01	117	18141m	0.095	ppbv	
38) Trichloroethene	7.83	130	9093m	0.093	ppbv	
52) Tetrachloroethene	11.24	164	8888m	0.100	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.71	83	23294m	0.097	ppbv	

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

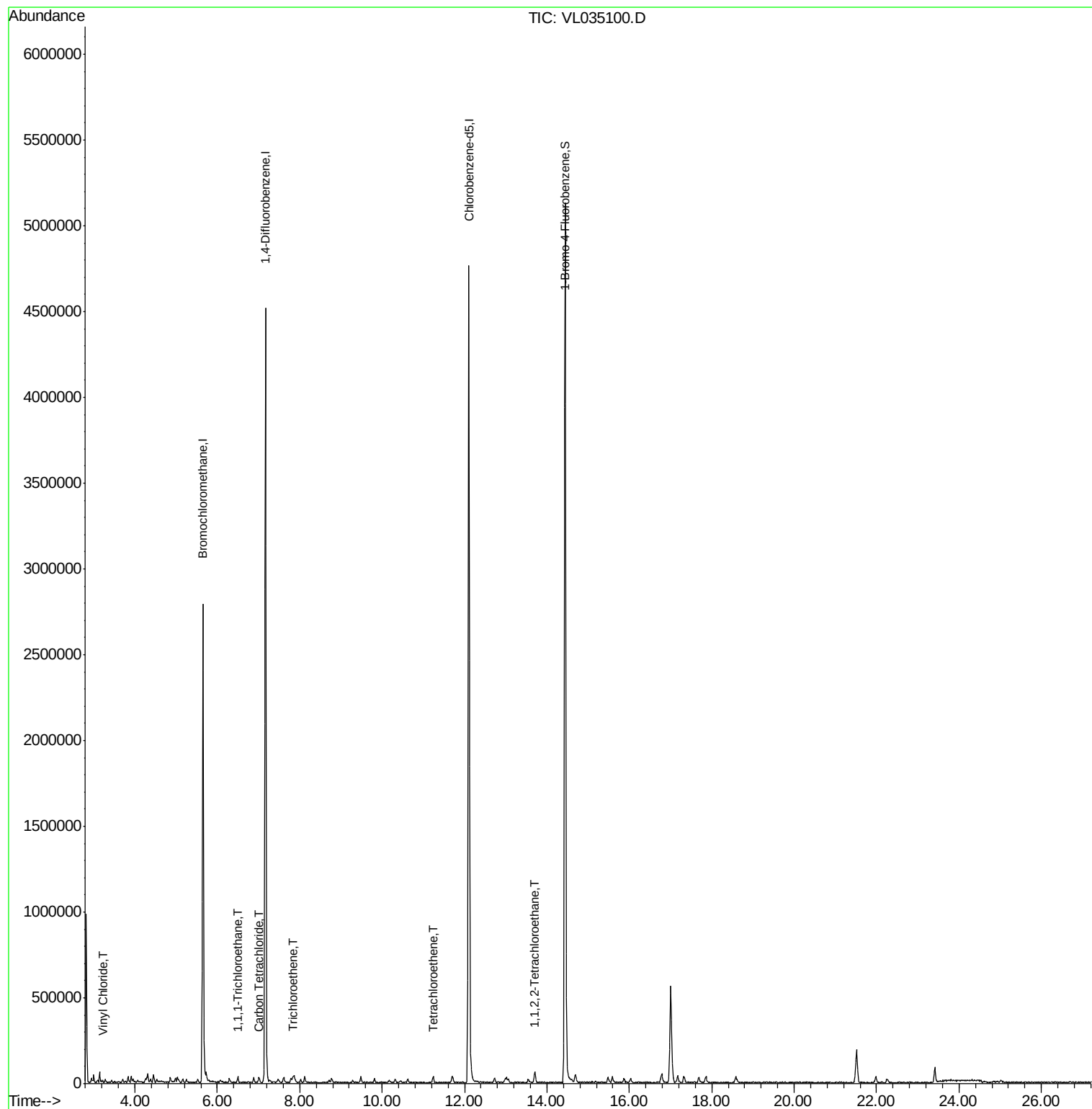
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061920\
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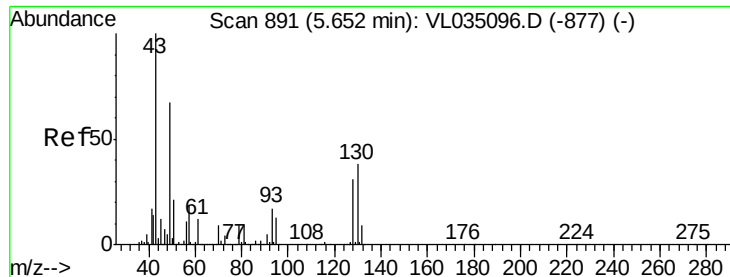
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Manual Integrations
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Quant Time: Jun 20 02:02:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun
QLast Update : Sat Jun 20 01:15:38 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1320073

Ion Ratio Lower Upper

49 100

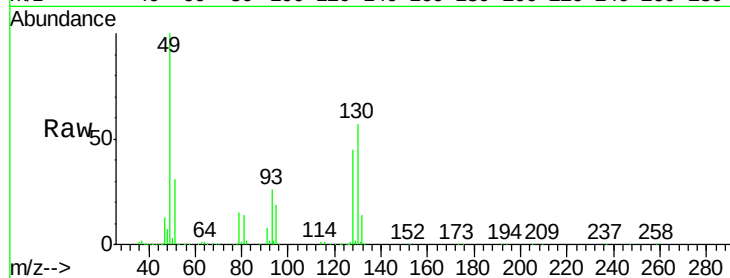
128 46.9 22.9 68.5

130 60.0 29.0 87.0

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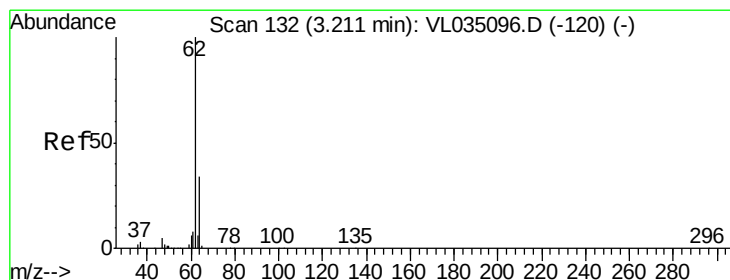
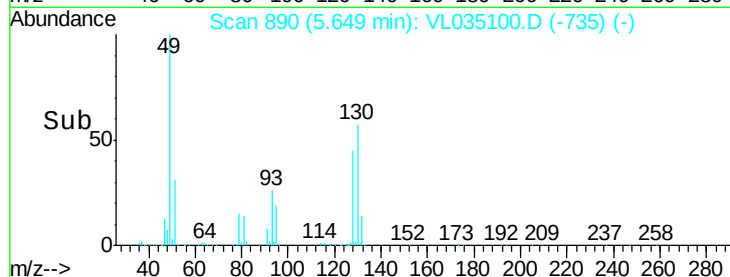
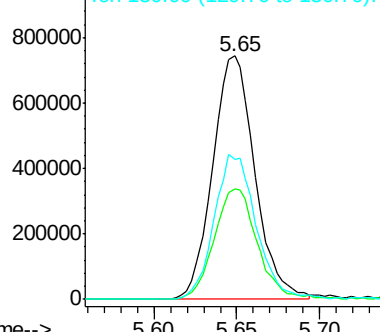
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.095 ppbv m

RT: 3.21 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL035100.D

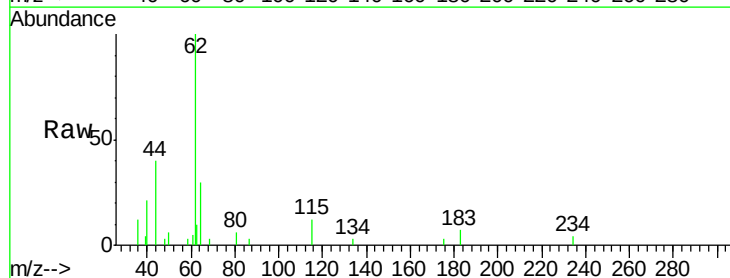
Acq: 19 Jun 2020 18:27

Tgt Ion: 62 Resp: 7971

Ion Ratio Lower Upper

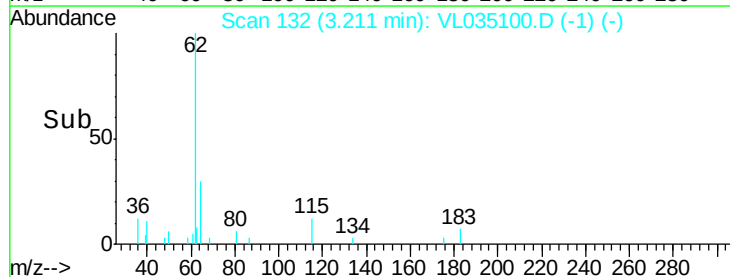
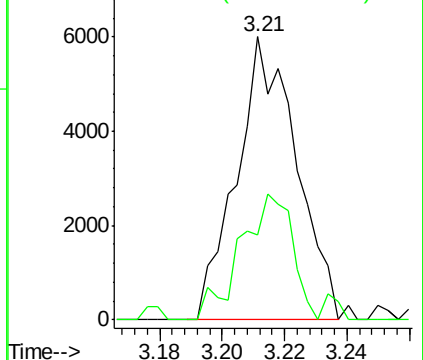
62 100

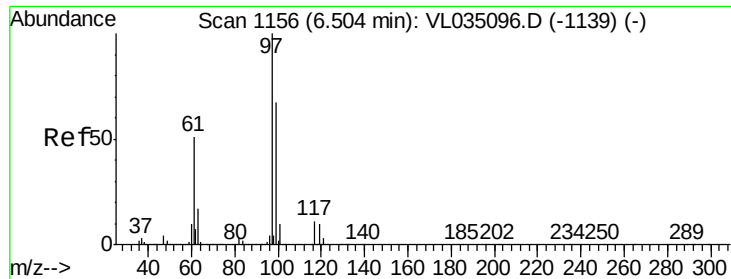
64 30.2 27.0 40.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





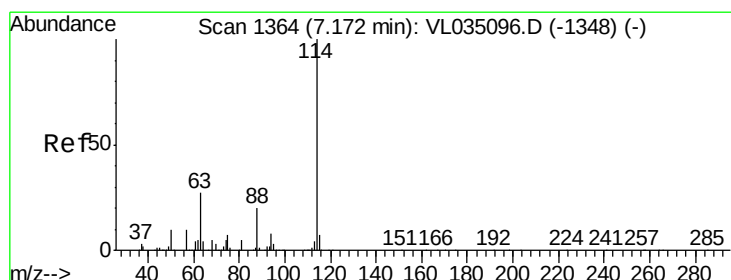
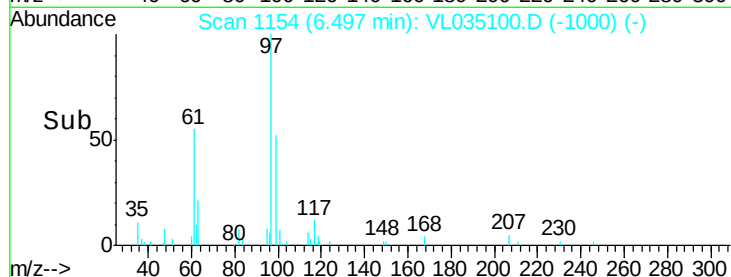
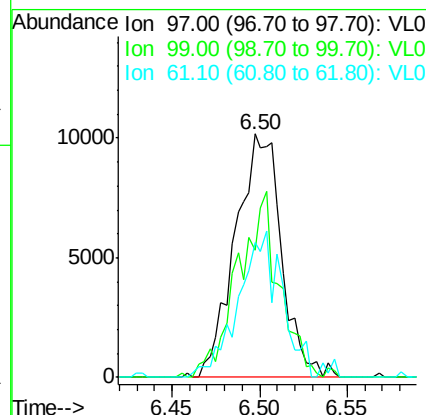
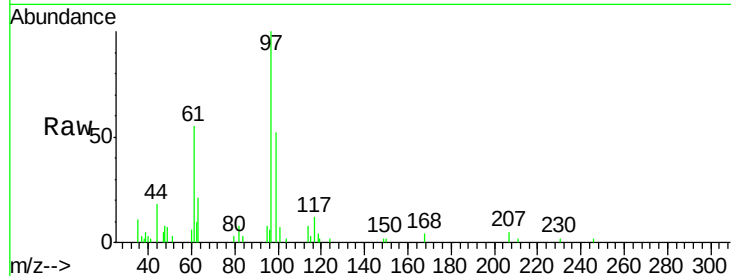
#32
 1,1,1-Trichloroethane
 Concen: 0.099 ppbv m
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VL035100.D
 Acq: 19 Jun 2020 18:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Resp	Lower	Upper
97	100	18633		
99	0.0	52.0	78.0#	
61	0.0	41.0	61.6#	

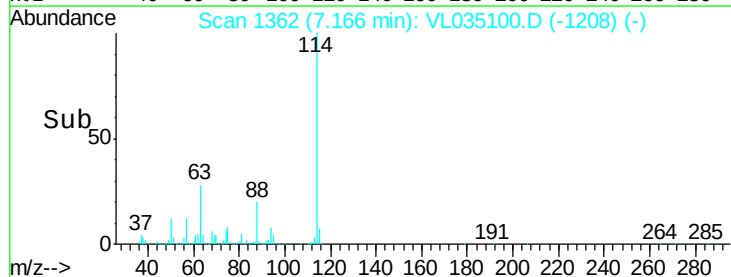
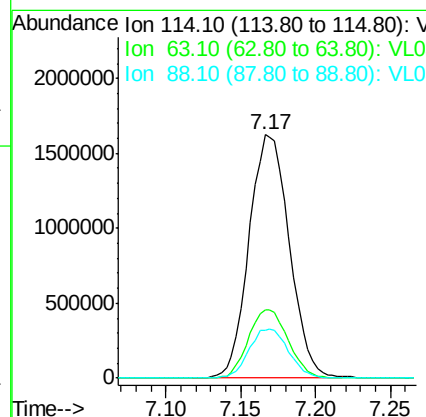
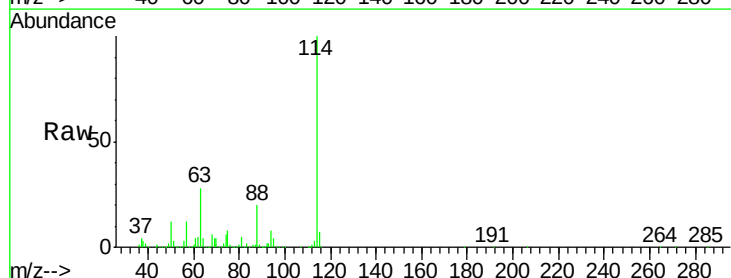
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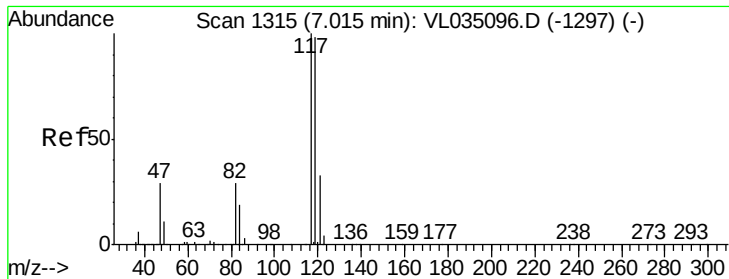
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL035100.D
 Acq: 19 Jun 2020 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	3041578		
63	28.0	21.9	32.9	
88	19.9	15.6	23.4	





#35

Carbon Tetrachloride

Concen: 0.095 ppbv m

RT: 7.01 min Scan# 1312

Delta R.T. -0.01 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Instrument :

MSVOA_L

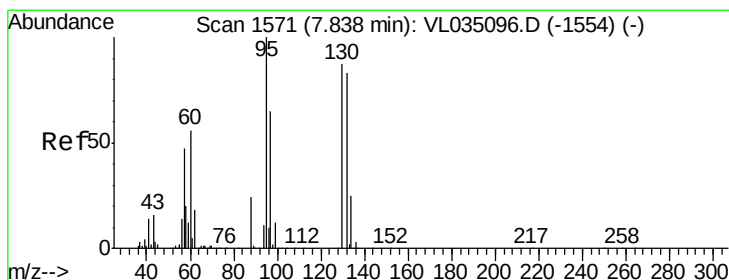
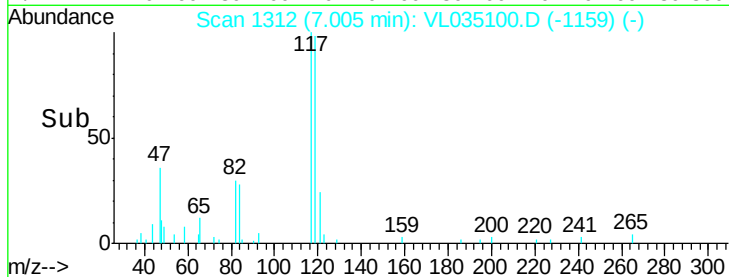
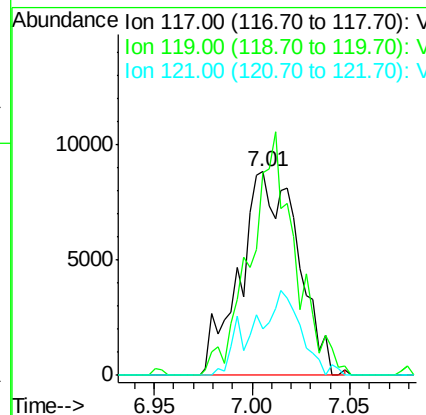
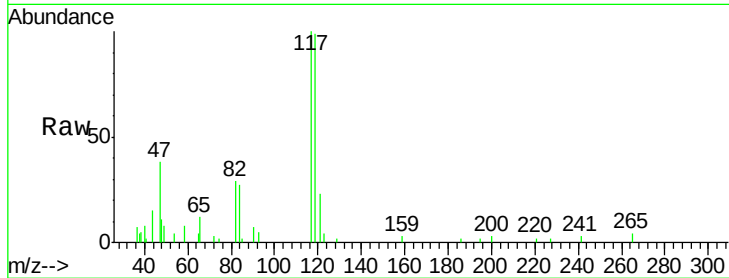
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	18141
Ion Ratio	Lower	Upper	
117	100		
119	99.3	78.3	117.5
121	23.1	26.0	39.0#

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#38

Trichloroethene

Concen: 0.093 ppbv m

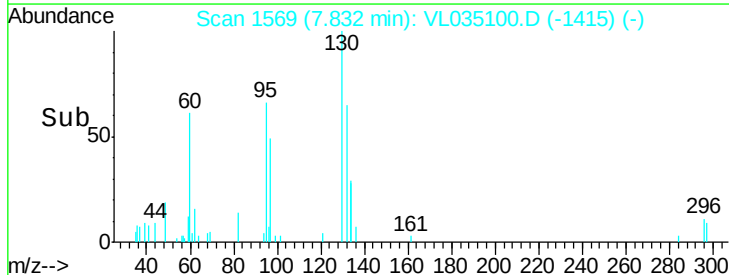
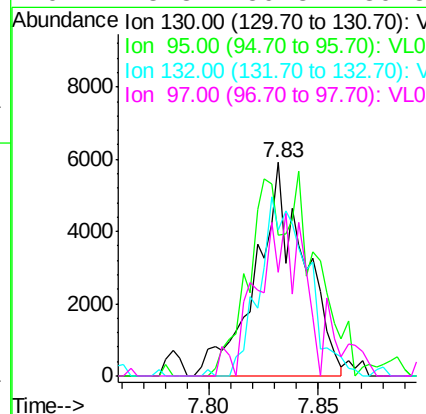
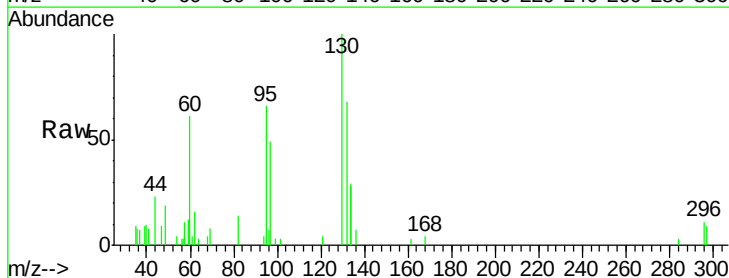
RT: 7.83 min Scan# 1569

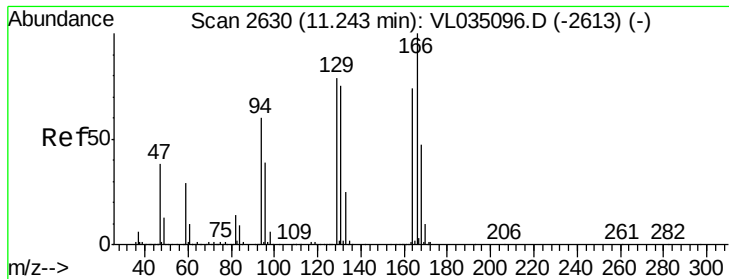
Delta R.T. -0.01 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Tgt Ion:	130	Resp:	9093
Ion Ratio	Lower	Upper	
130	100		
95	65.9	91.4	137.2#
132	68.3	75.8	113.6#
97	48.8	59.8	89.8#





#52

Tetrachloroethene

Concen: 0.100 ppbv m

RT: 11.24 min Scan# 2629

Delta R.T. -0.00 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 8888

Ion Ratio Lower Upper

164 100

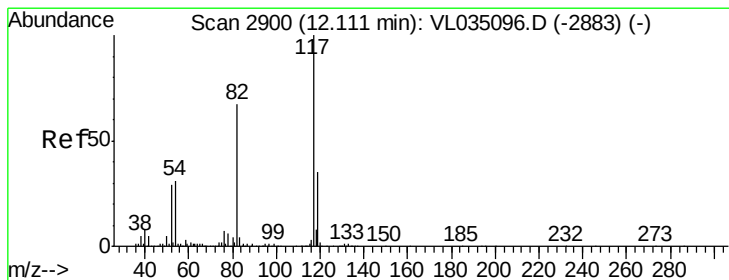
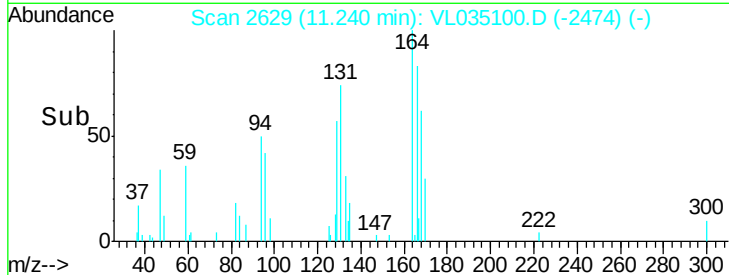
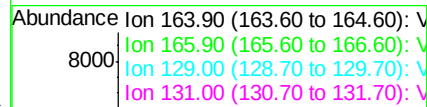
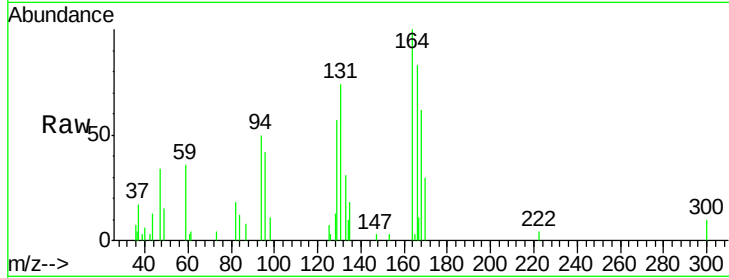
166 82.6 107.5 161.3#

129 57.0 84.9 127.3#

131 73.7 81.1 121.7#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

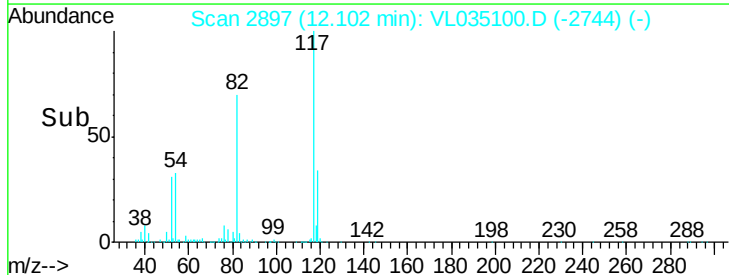
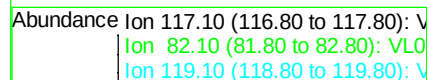
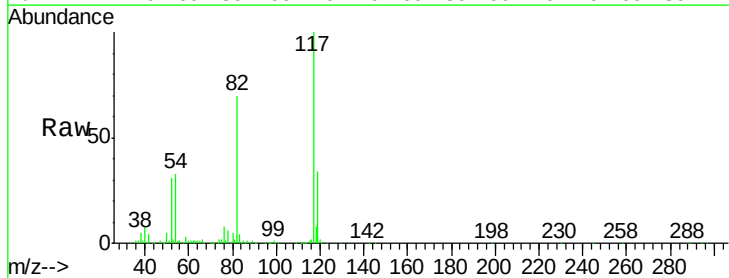
Tgt Ion:117 Resp: 2869149

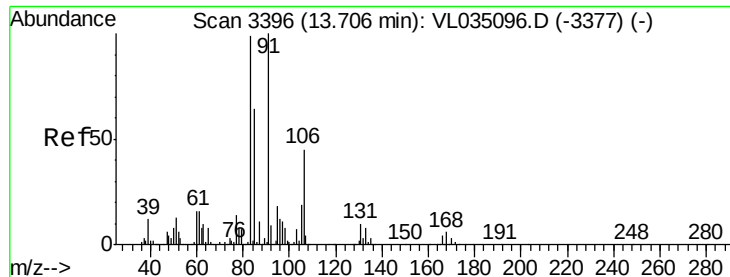
Ion Ratio Lower Upper

117 100

82 69.9 50.4 75.6

119 33.4 25.4 38.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.097 ppbv m

RT: 13.71 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Instrument :

MSVOA_L

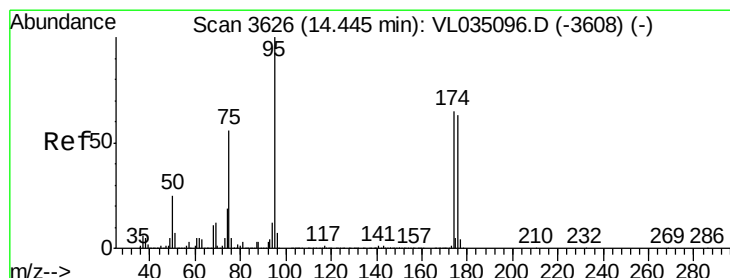
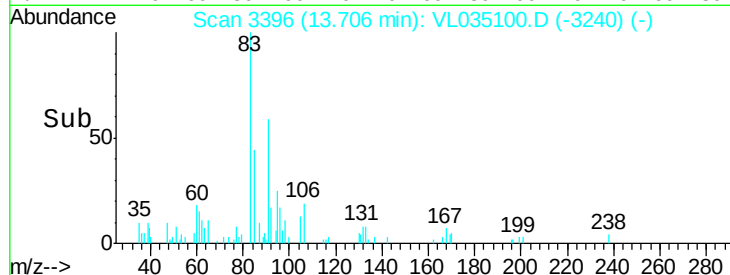
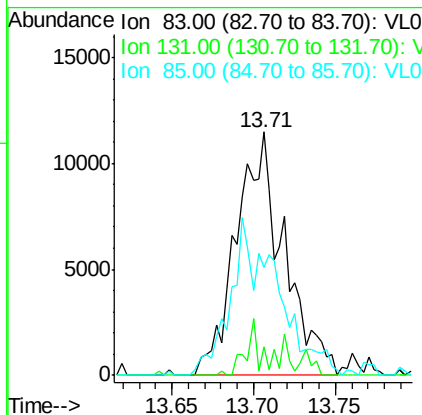
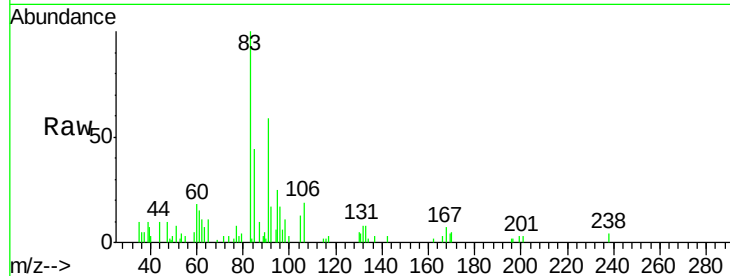
ClientSampleId :

VSTDIC0.1

Tot Ion:	83	Resp:	23294
Ion	Ratio	Lower	Upper
83	100		
131	12.1	4.7	14.0
85	64.7	32.4	97.0

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.694 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL035100.D

Acq: 19 Jun 2020 18:27

Tgt Ion:	95	Resp:	2473576
Ion	Ratio	Lower	Upper
95	100		
174	64.8	52.2	78.2
175	4.7	4.0	6.0

