

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050720\
 Data File : VL034981.D
 Acq On : 7 May 2020 23:48
 Operator : SY/AP
 Sample : L2182-15 0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT2-2020

Manual Integrations
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Quant Time: May 08 07:27:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1000735	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2304155	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2158003	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1795197	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.23	62	2726m	0.043	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	7345m	0.052	ppbv	
35) Carbon Tetrachloride	7.03	117	7398m	0.051	ppbv	
38) Trichloroethene	7.86	130	2711m	0.037	ppbv	
52) Tetrachloroethene	11.25	164	2834m	0.042	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.73	83	9200m	0.050	ppbv	

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

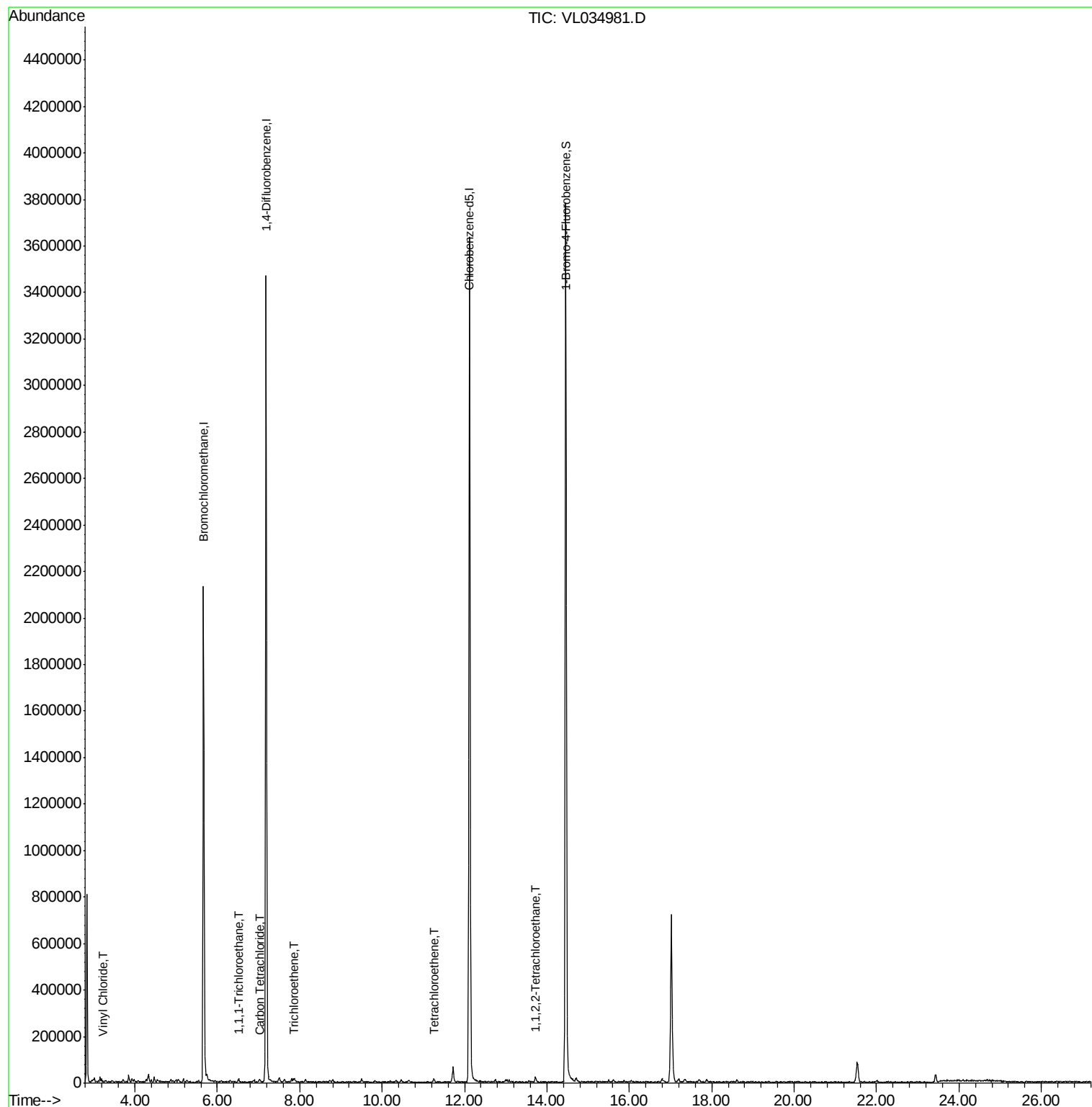
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050720\
Data File : VL034981.D
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Operator : SY/AP
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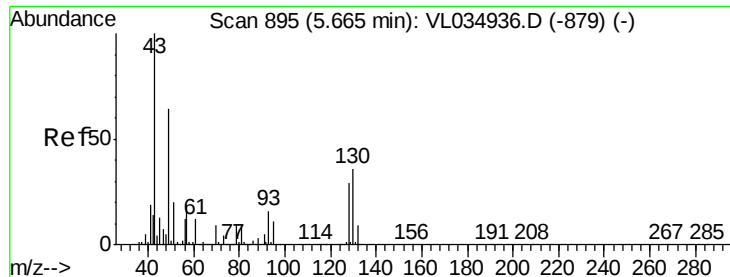
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL034981.D

Acq: 7 May 2020 23:48

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT2-2020

Tot Ion: 49 Resp: 1000735

Ion Ratio Lower Upper

49 100

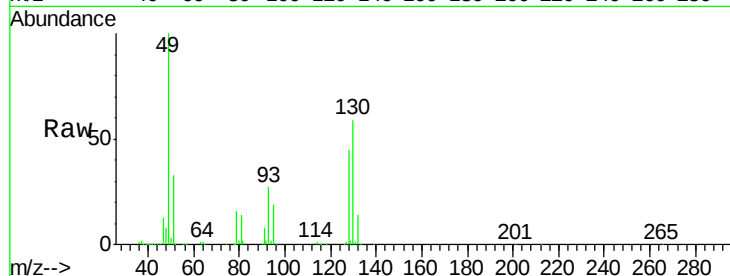
128 46.3 22.1 66.5

130 58.9 29.1 87.3

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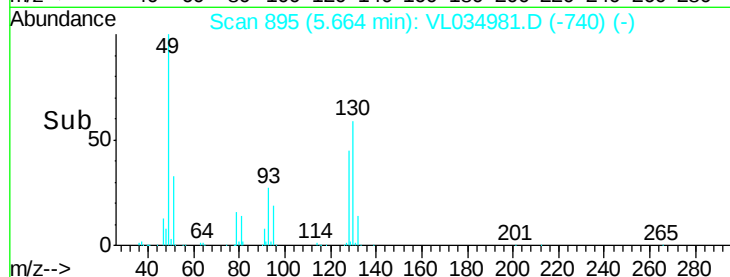
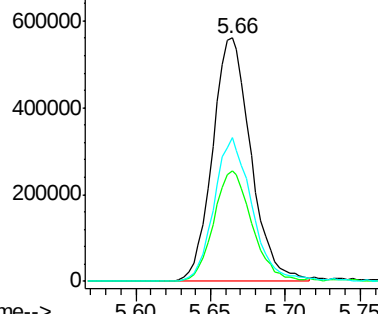
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.043 ppbv m

RT: 3.23 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL034981.D

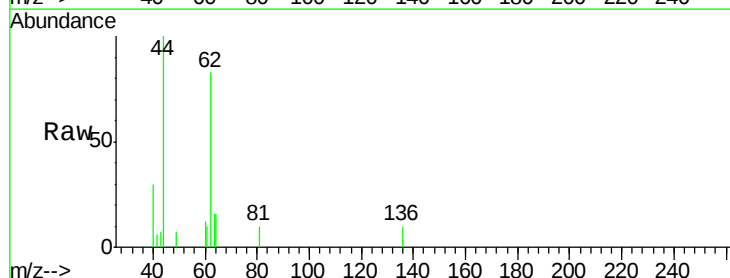
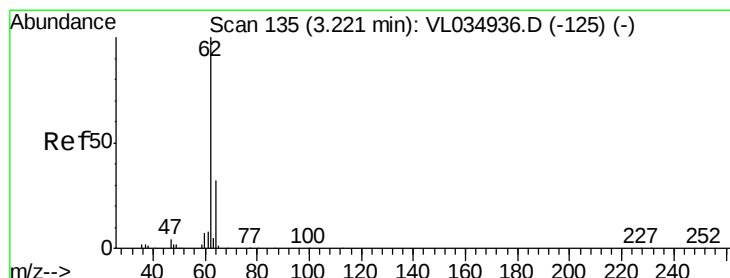
Acq: 7 May 2020 23:48

Tgt Ion: 62 Resp: 2726

Ion Ratio Lower Upper

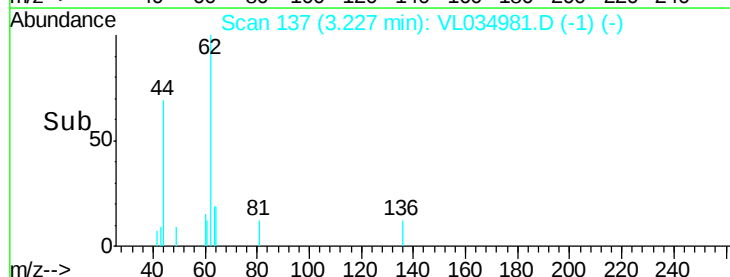
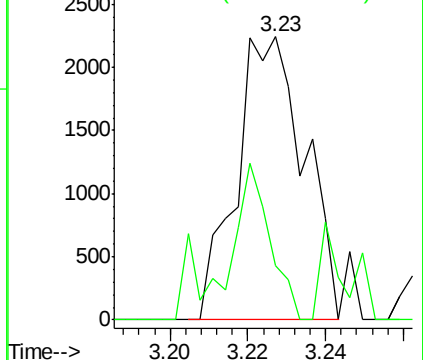
62 100

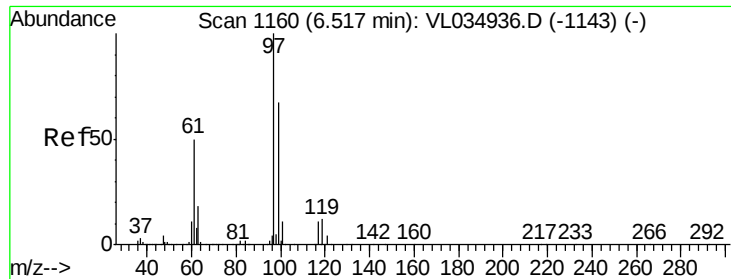
64 19.1 25.7 38.5#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





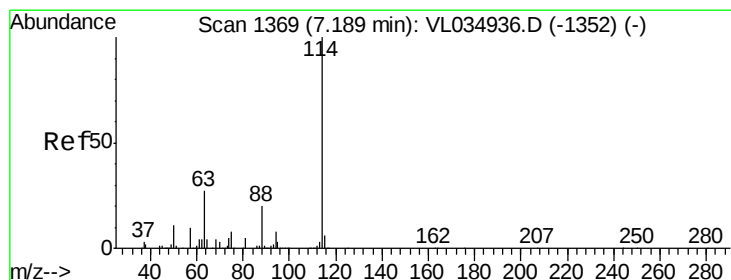
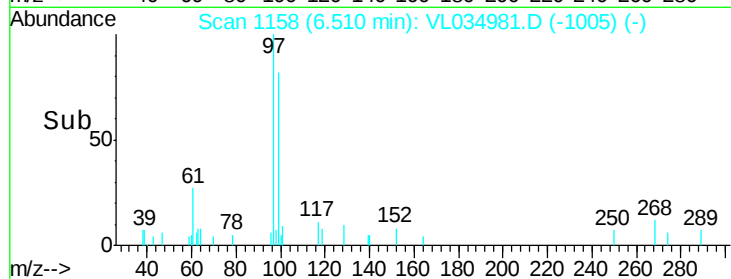
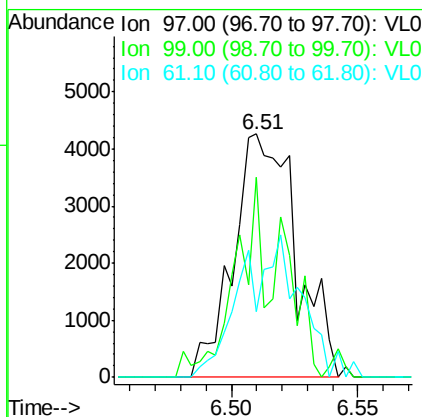
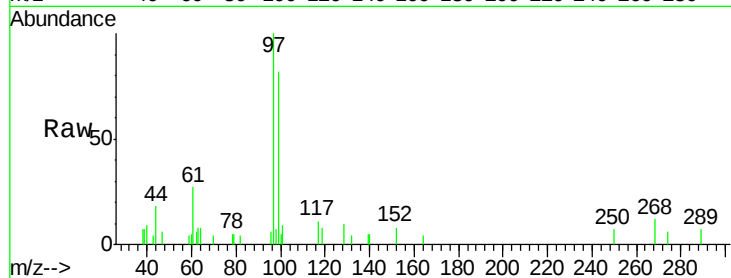
#32
 1,1,1-Trichloroethane
 Concen: 0.052 ppbv m
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: VL034981.D
 Acq: 7 May 2020 23:48

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.1	78.1#
61	54.8	41.8	62.8

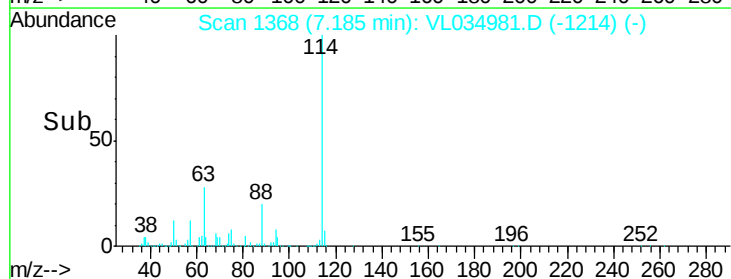
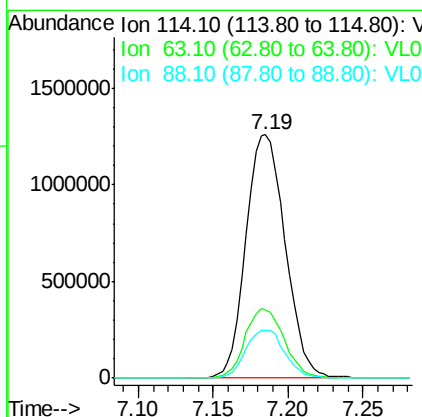
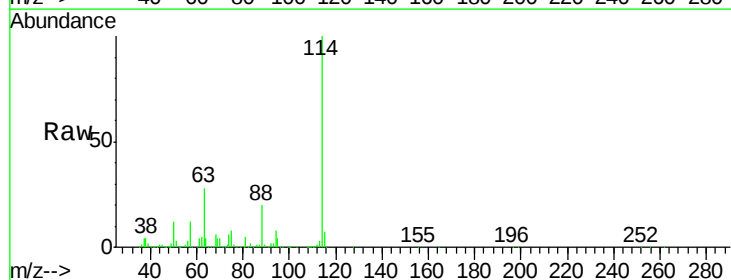
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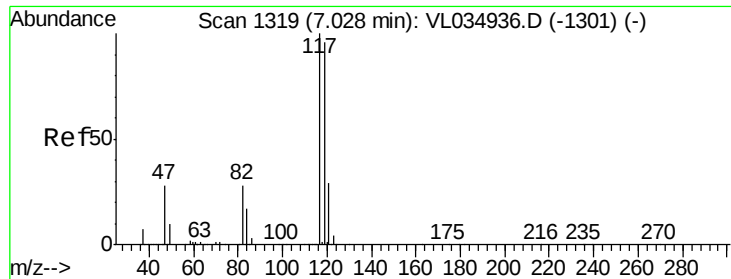
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL034981.D
 Acq: 7 May 2020 23:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.2	33.4
88	19.7	15.5	23.3





#35

Carbon Tetrachloride

Concen: 0.051 ppbv m

RT: 7.03 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VL034981.D

Acq: 7 May 2020 23:48

Instrument :

MSVOA_L

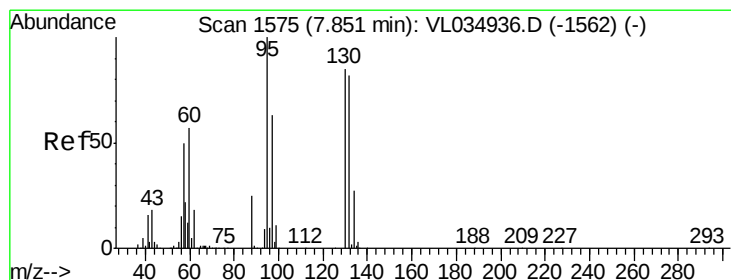
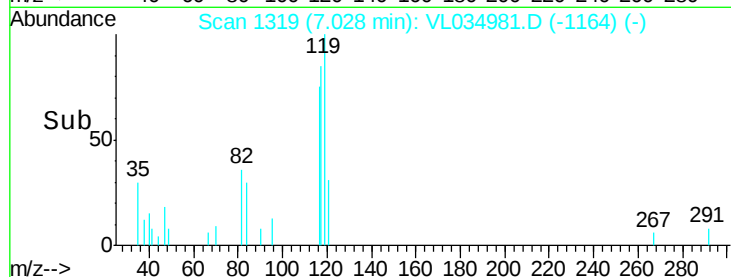
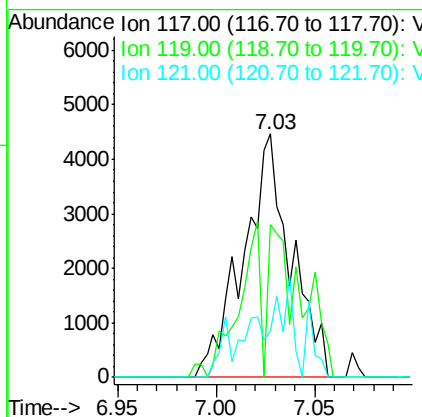
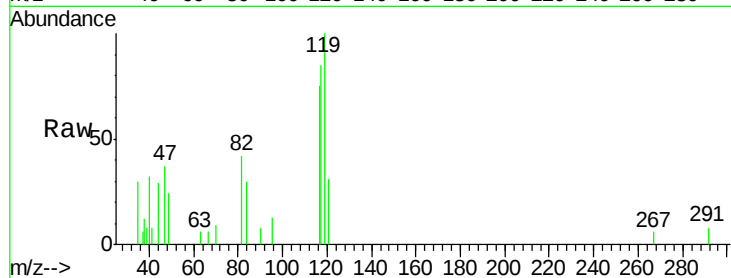
ClientSampleId :

MDL-AIR-01-QT2-2020

Tot Ion:	117	Resp:	7398
Ion Ratio	Lower	Upper	
117	100		
119	118.0	77.0	115.6#
121	36.3	23.0	34.6#

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#38

Trichloroethene

Concen: 0.037 ppbv m

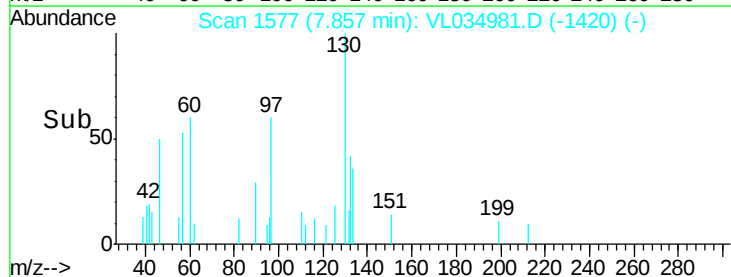
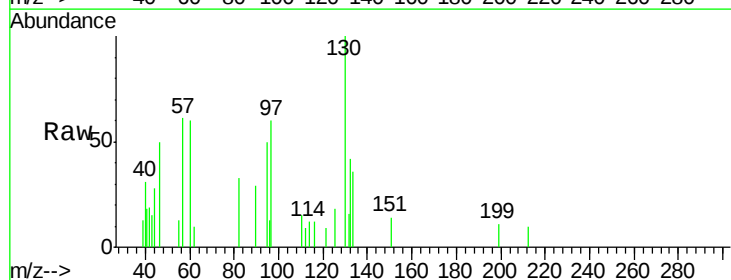
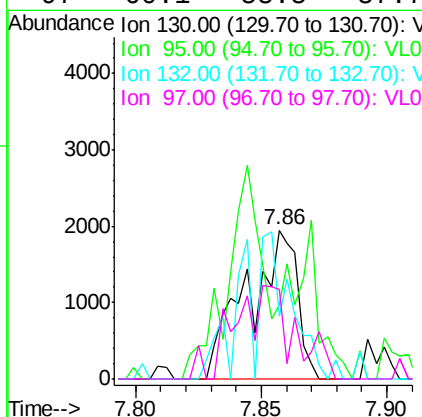
RT: 7.86 min Scan# 1577

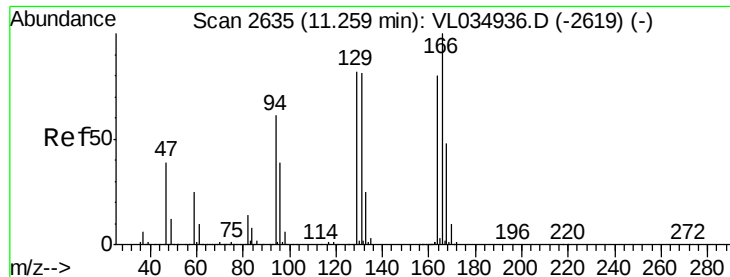
Delta R.T. 0.01 min

Lab File: VL034981.D

Acq: 7 May 2020 23:48

Tgt Ion:	130	Resp:	2711
Ion Ratio	Lower	Upper	
130	100		
95	49.7	93.4	140.0#
132	42.2	76.4	114.6#
97	60.1	58.5	87.7





#52

Tetrachloroethene

Concen: 0.042 ppbv m

RT: 11.25 min Scan# 2632

Delta R.T. -0.01 min

Lab File: VL034981.D

Acq: 7 May 2020 23:48

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT2-2020

Tot Ion:164 Resp: 2834

Ion Ratio Lower Upper

164 100

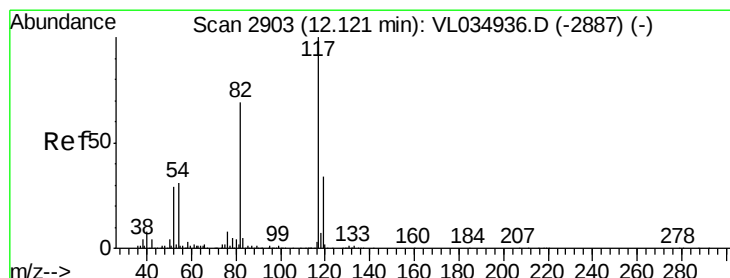
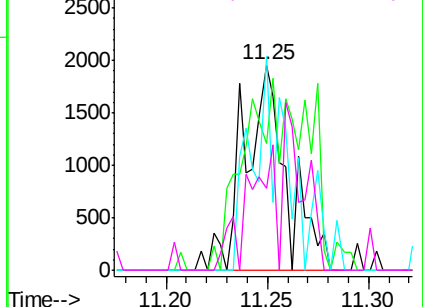
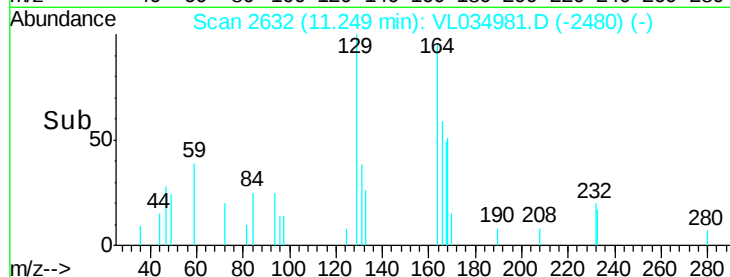
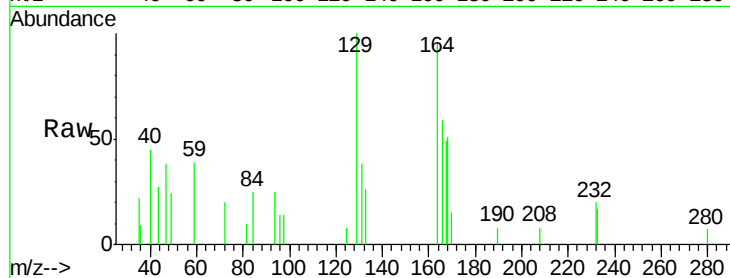
166 61.8 100.7 151.1#

129 104.1 83.0 124.4

131 39.8 81.0 121.4#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VL034981.D

Acq: 7 May 2020 23:48

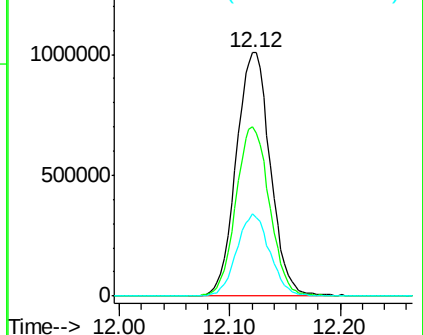
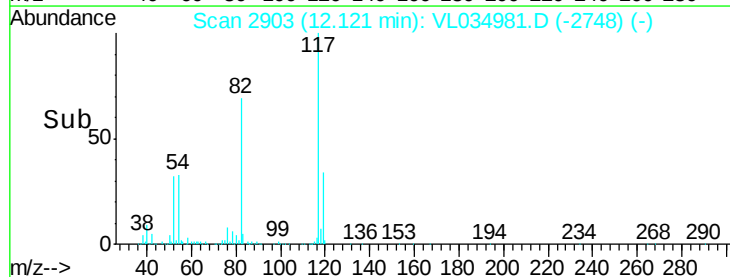
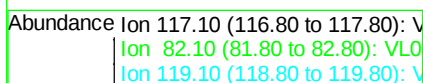
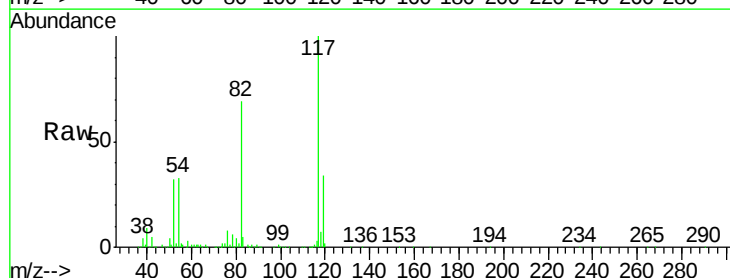
Tgt Ion:117 Resp: 2158003

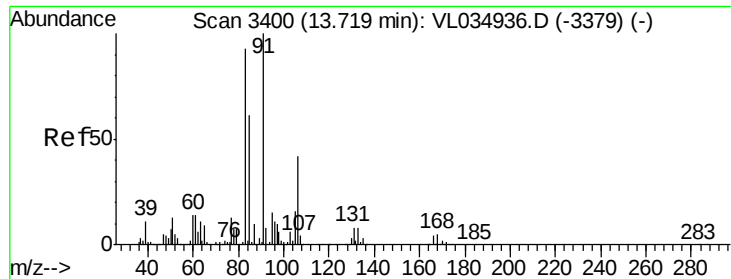
Ion Ratio Lower Upper

117 100

82 68.8 53.1 79.7

119 32.8 26.7 40.1





#63

1,1,2,2-Tetrachloroethane

Concen: 0.050 ppbv m

RT: 13.73 min Scan# 3402

Delta R.T. 0.01 min

Lab File: VL034981.D

Acq: 7 May 2020 23:48

Instrument :

MSVOA_L

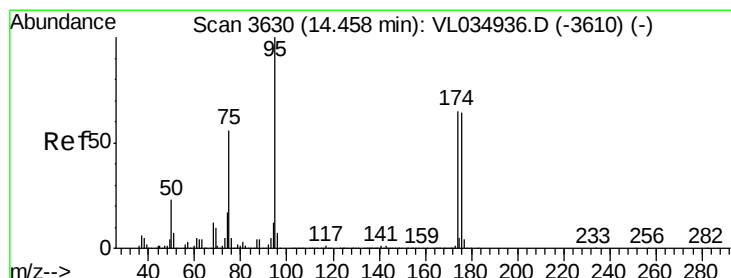
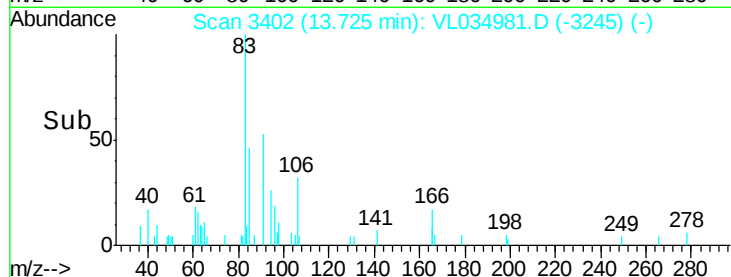
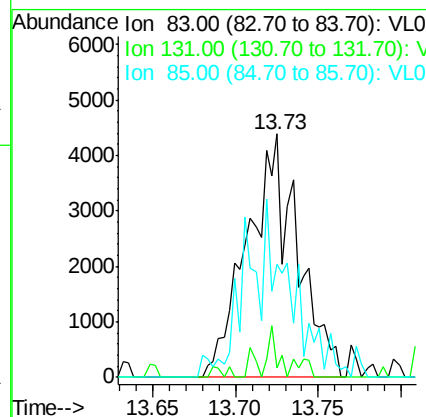
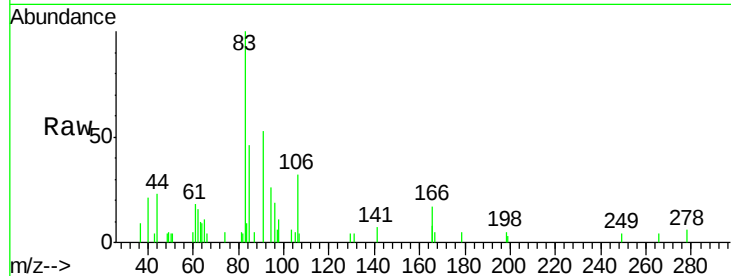
ClientSampleId :

MDL-AIR-01-QT2-2020

Tot Ion:	83	Resp:	9200
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.7	14.0
85	65.6	32.5	97.4

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.277 ppbv

RT: 14.45 min Scan# 3629

Delta R.T. -0.00 min

Lab File: VL034981.D

Acq: 7 May 2020 23:48

Tgt Ion:	95	Resp:	1795197
Ion Ratio	Lower	Upper	
95	100		
174	63.8	51.5	77.3
175	4.5	3.8	5.8

