

Data File : VL037050.D
Acq On : 24 May 2021 16:11
Operator : SY/AP
Sample : M2262-14 0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

Manual Integrations
APPROVED

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5/25/2021 6:00:33 PM

Quant Time: May 25 03:12:31 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1163632	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3453454	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3001852	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2173076	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds					Qvalue
5) Vinyl Chloride	3.23	62	2925m	0.037	ppbv
32) 1,1,1-Trichloroethane	6.49	97	7156m	0.032	ppbv
38) Trichloroethene	7.81	130	5210m	0.041	ppbv
52) Tetrachloroethene	11.20	164	4642m	0.039	ppbv
63) 1,1,2,2-Tetrachloroethane	13.66	83	9580m	0.038	ppbv

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

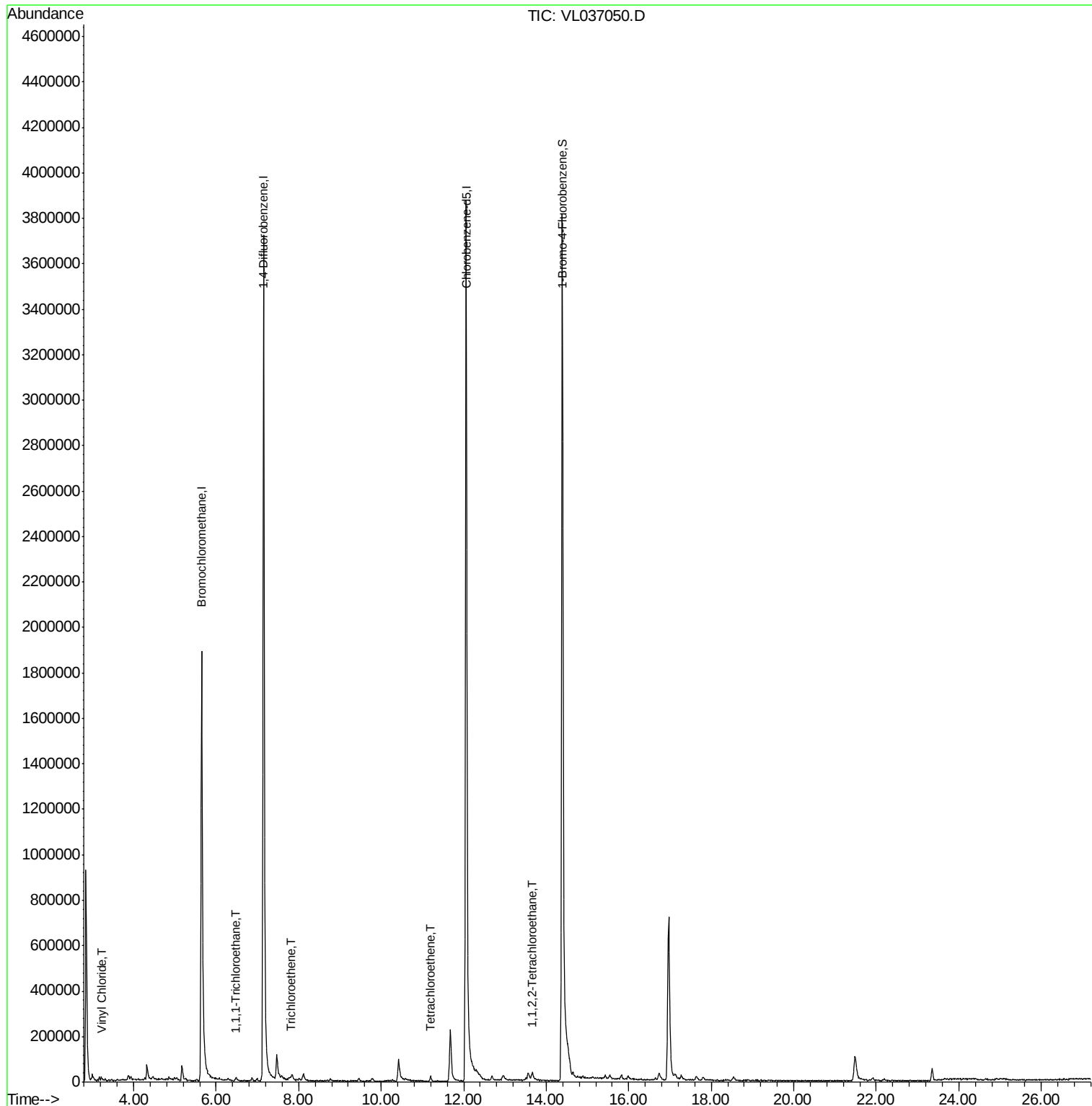
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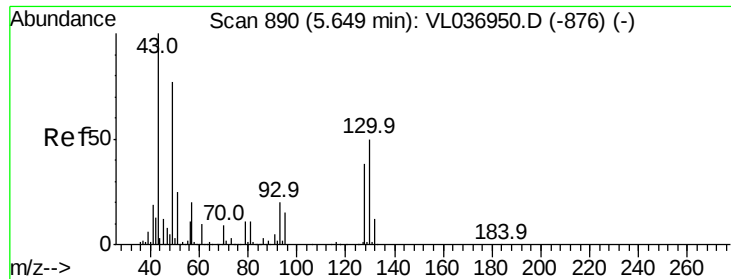
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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL037050.D

Acq: 24 May 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tgt Ion: 49 Resp: 1163632

Ion Ratio Lower Upper

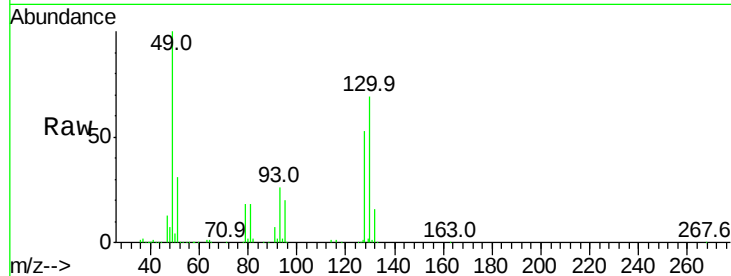
49 100

128 57.9 26.9 80.7

130 73.2 33.8 101.4

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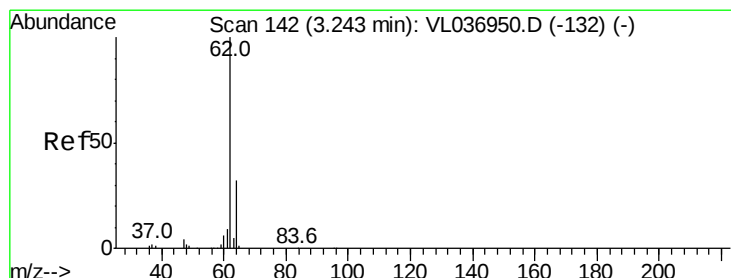
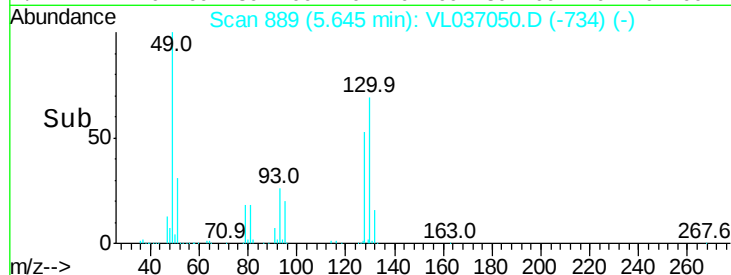
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.65

Time-->



#5

Vinyl Chloride

Concen: 0.037 ppbv m

RT: 3.23 min Scan# 138

Delta R.T. -0.01 min

Lab File: VL037050.D

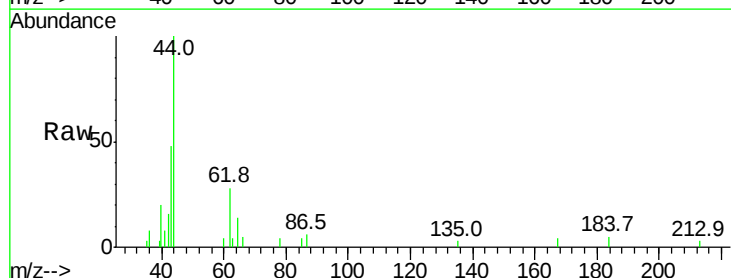
Acq: 24 May 2021 16:11

Tgt Ion: 62 Resp: 2925

Ion Ratio Lower Upper

62 100

64 48.6 25.9 38.9#

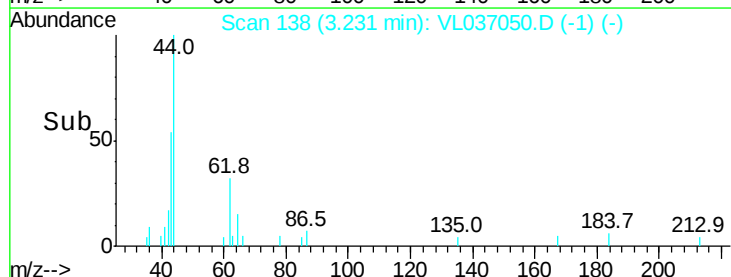


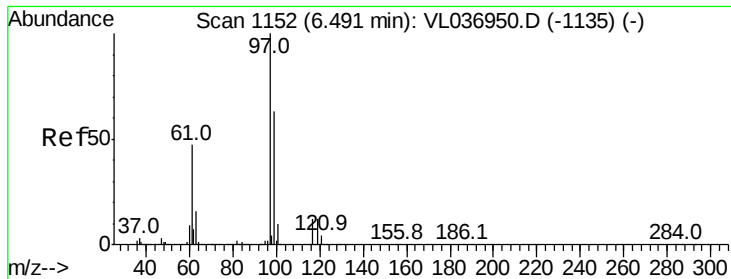
Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.23

Time-->





#32

1,1,1-Trichloroethane

Concen: 0.032 ppbv m

RT: 6.49 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VL037050.D

Acq: 24 May 2021 16:11

Instrument :

MSVOA_L

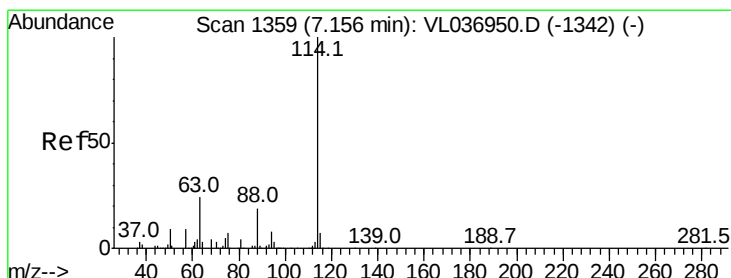
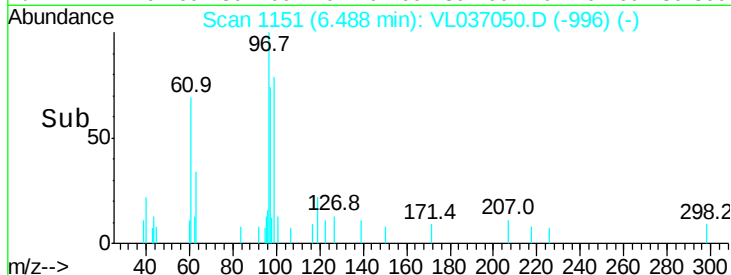
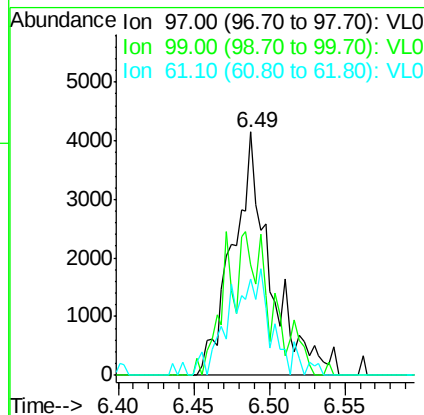
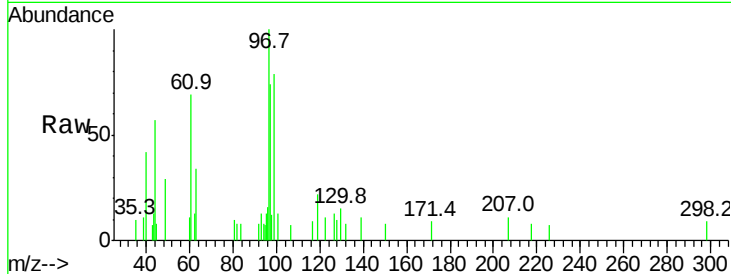
ClientSampleId :

LOQ-AIR-02-QT2-2021

Tgt Ion:	97	Resp:	7156
Ion Ratio	Lower	Upper	
97	100		
99	71.7	51.9	77.9
61	0.0	37.6	56.4#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

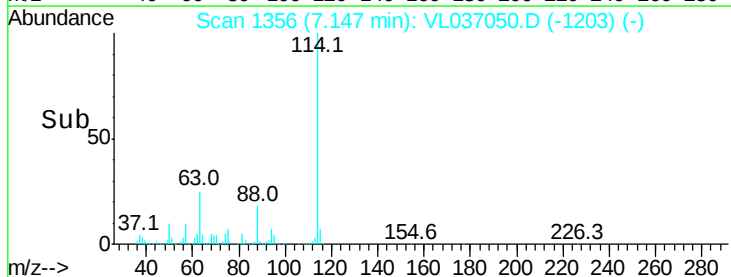
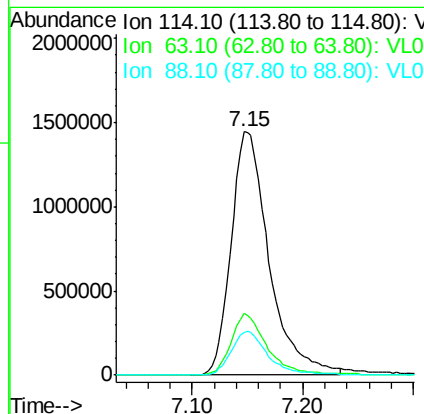
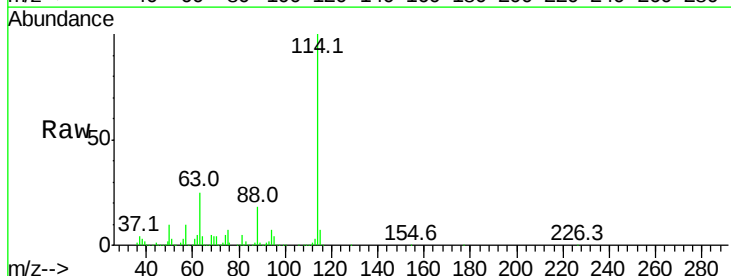
RT: 7.15 min Scan# 1356

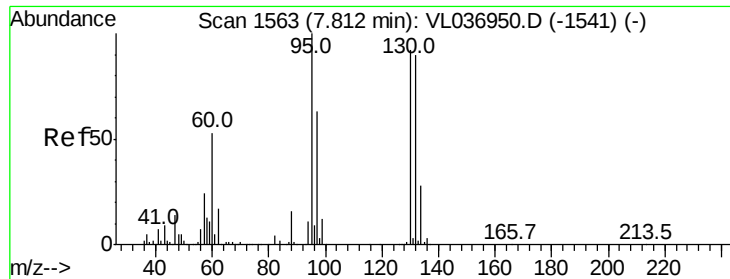
Delta R.T. -0.01 min

Lab File: VL037050.D

Acq: 24 May 2021 16:11

Tgt Ion:	114	Resp:	3453454
Ion Ratio	Lower	Upper	
114	100		
63	24.5	19.6	29.4
88	17.9	14.6	21.8





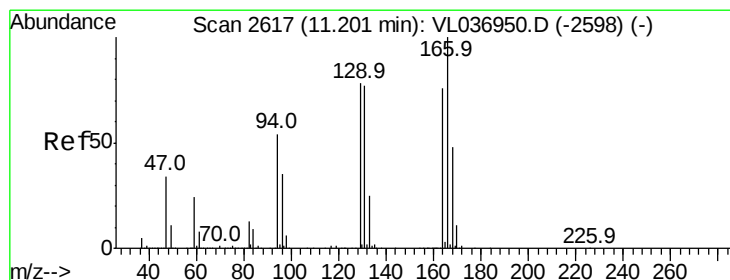
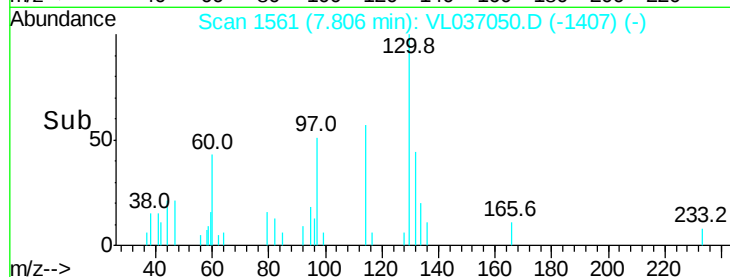
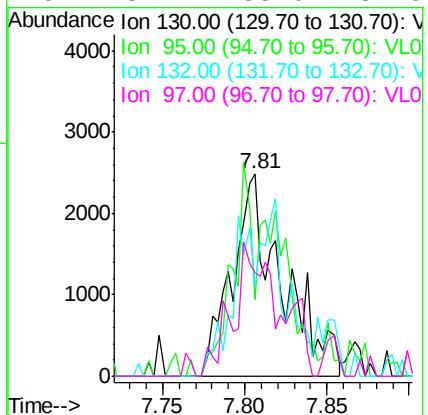
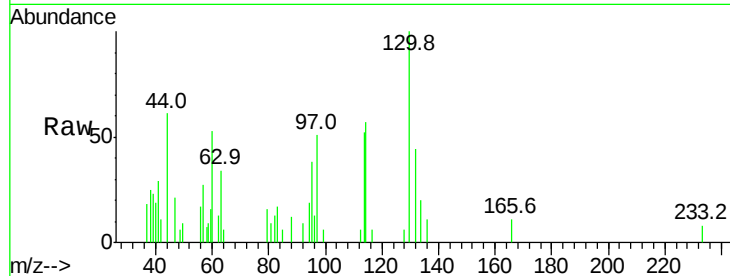
#38
 Trichloroethene
 Concen: 0.041 ppbv m
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL037050.D
 Acq: 24 May 2021 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2021

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	5210		
95	38.1	86.9	130.3#	
132	44.0	78.4	117.6#	
97	51.1	55.0	82.6#	

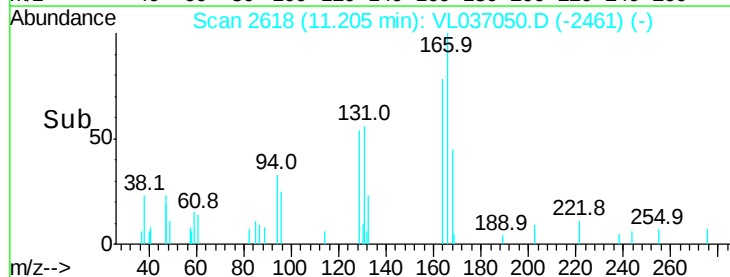
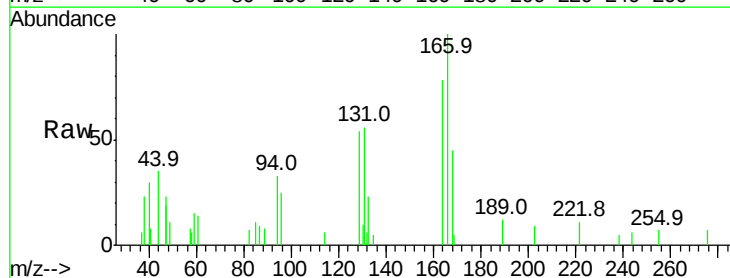
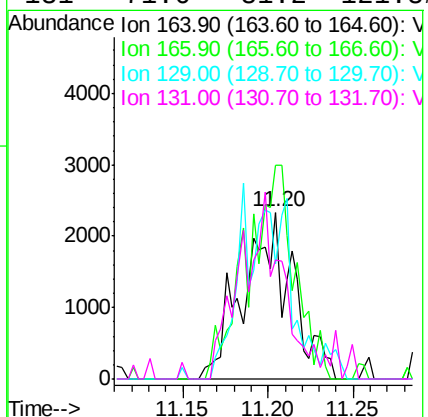
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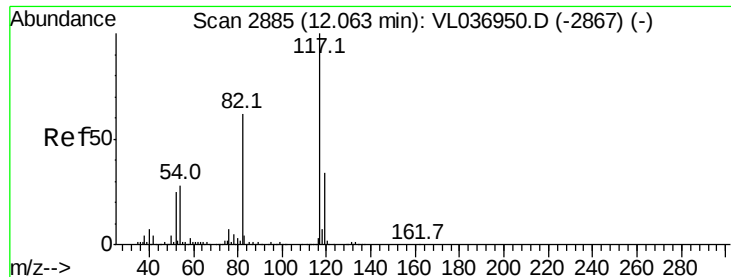
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#52
 Tetrachloroethene
 Concen: 0.039 ppbv m
 RT: 11.20 min Scan# 2618
 Delta R.T. 0.00 min
 Lab File: VL037050.D
 Acq: 24 May 2021 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	4642		
166	128.1	105.5	158.3	
129	69.0	81.8	122.8#	
131	71.6	81.2	121.8#	





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.00 min

Lab File: VL037050.D

Acq: 24 May 2021 16:11

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tgt Ion:117 Resp: 3001852

Ion Ratio Lower Upper

117 100

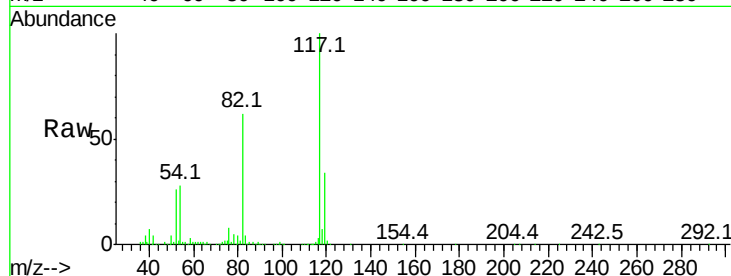
82 64.8 52.6 79.0

119 34.8 46.6 70.0#

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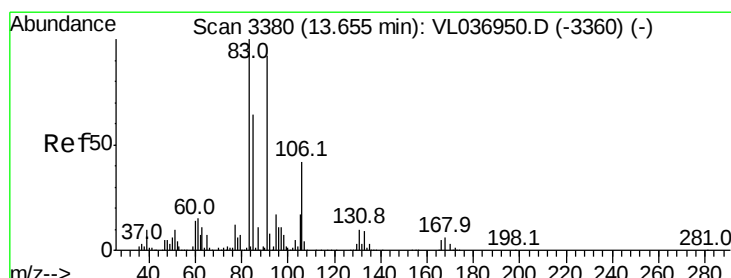
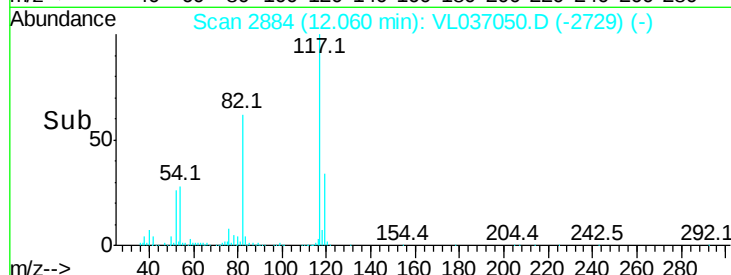
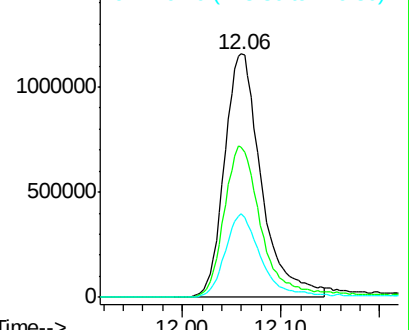
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#63

1,1,2,2-Tetrachloroethane

Concen: 0.038 ppbv m

RT: 13.66 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VL037050.D

Acq: 24 May 2021 16:11

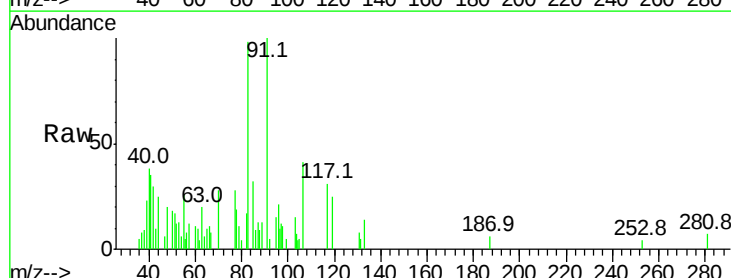
Tgt Ion: 83 Resp: 9580

Ion Ratio Lower Upper

83 100

131 7.2 5.0 15.0

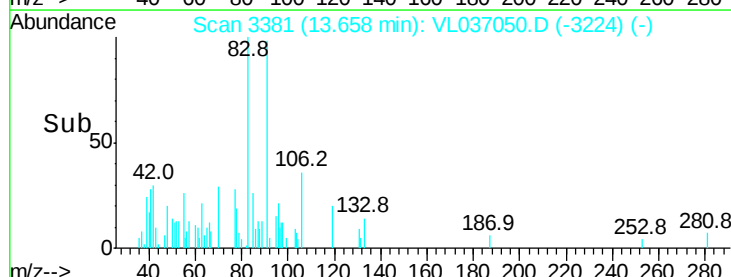
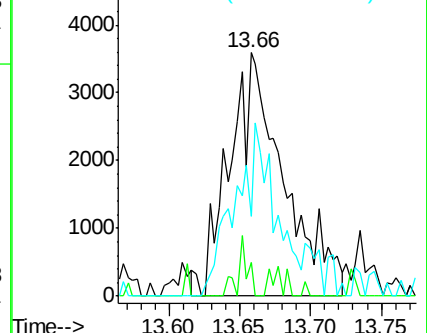
85 0.0 32.9 98.6#

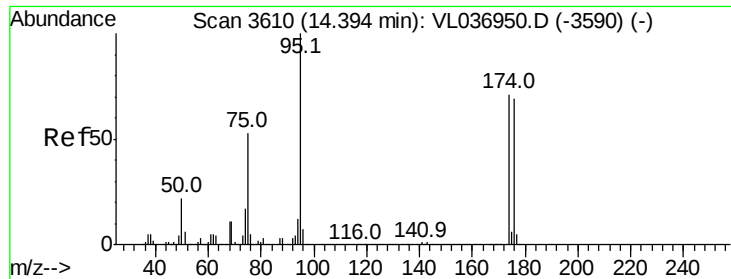


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.636 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL037050.D
 Acq: 24 May 2021 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2021

Tgt Ion: 95 Resp: 2173076
 Ion Ratio Lower Upper
 95 100
 174 77.3 58.4 87.6
 175 5.7 4.4 6.6

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