

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052421\
Quantitation Report (QT Reviewed)

Data File : VL037052.D
Acq On : 24 May 2021 17:25
Operator : SY/AP
Sample : M2262-13 0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Manual Integrations
APPROVED

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5/25/2021 6:00:37 PM

Quant Time: May 25 03:22:11 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	5.64	49	1105548	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3462960	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3001246	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2160445	9.58	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds					Qvalue
5) Vinyl Chloride	3.25	62	3897m	0.052	ppbv
35) Carbon Tetrachloride	6.99	117	7152m	0.031	ppbv
38) Trichloroethene	7.81	130	4065m	0.032	ppbv
52) Tetrachloroethene	11.20	164	4710m	0.040	ppbv
63) 1,1,2,2-Tetrachloroethane	13.67	83	8608m	0.035	ppbv

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

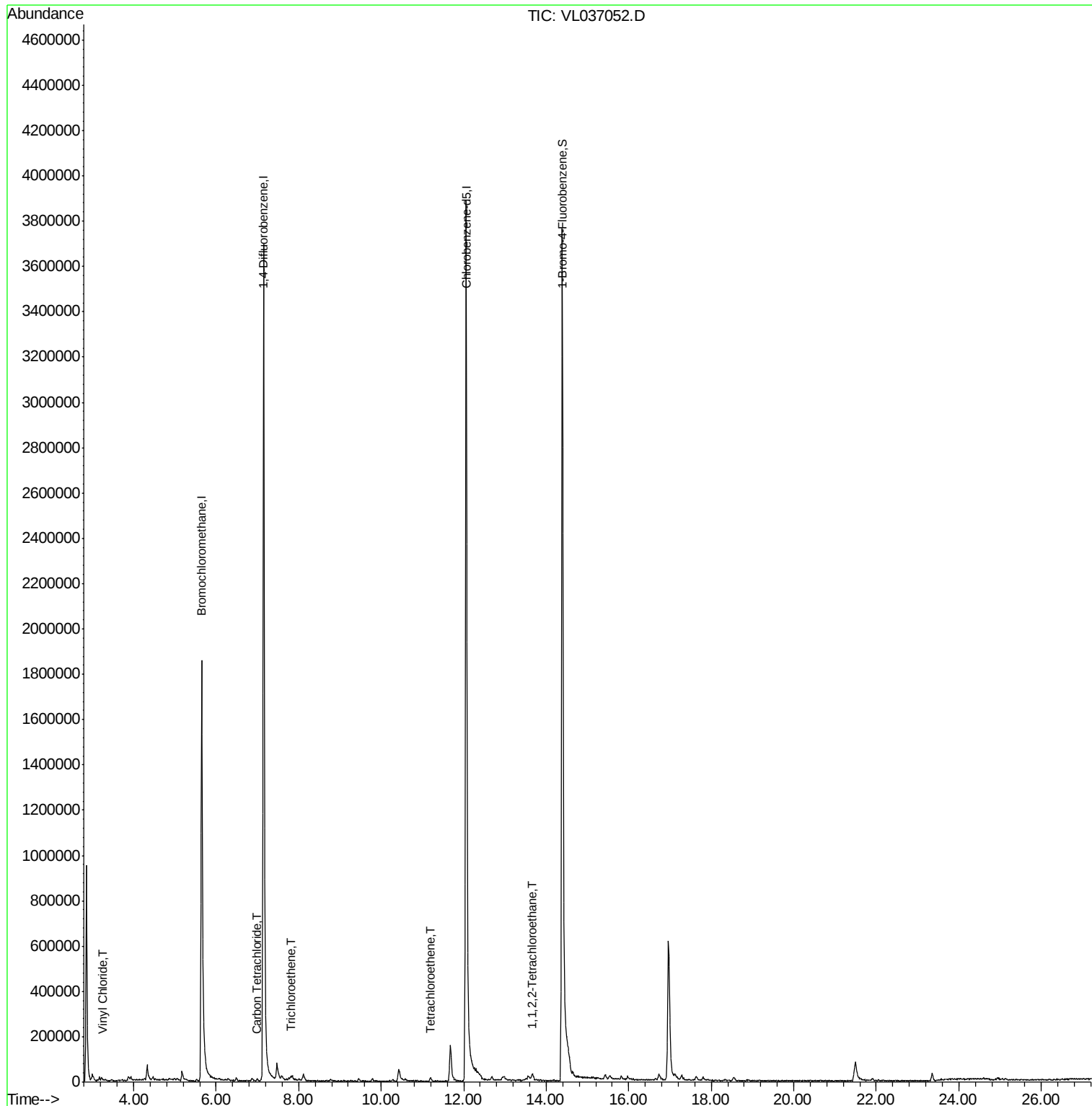
Data File : VL037052.D
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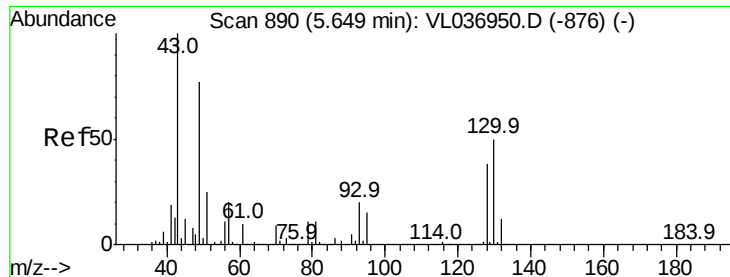
Instrument :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.01 min

Lab File: VL037052.D

Acq: 24 May 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 49 Resp: 1105548

Ion Ratio Lower Upper

49 100

128 59.6 26.9 80.7

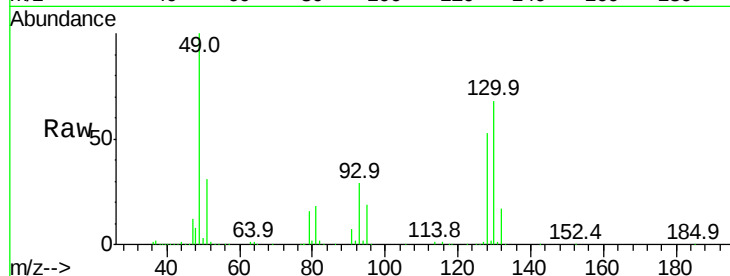
130 77.0 33.8 101.4

Manual Integrations

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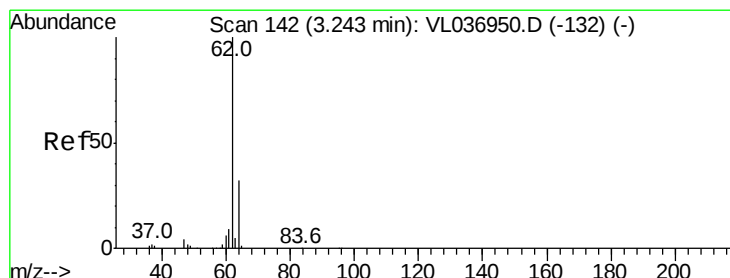
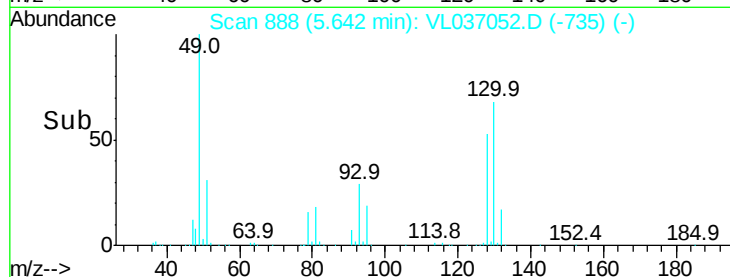
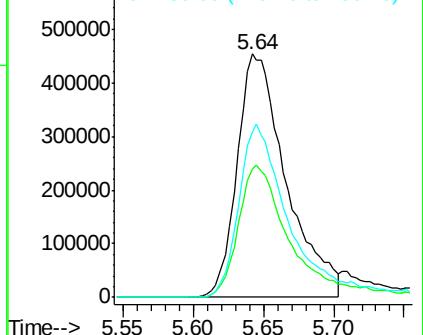
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.052 ppbv m

RT: 3.25 min Scan# 143

Delta R.T. 0.00 min

Lab File: VL037052.D

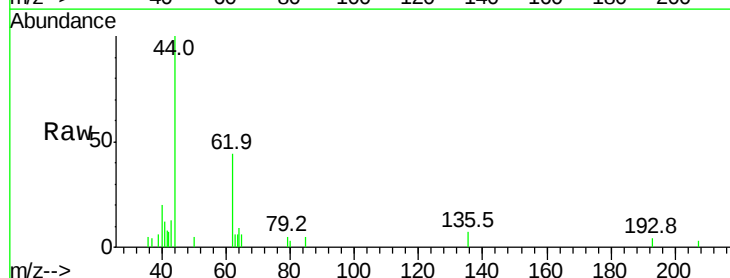
Acq: 24 May 2021 17:25

Tgt Ion: 62 Resp: 3897

Ion Ratio Lower Upper

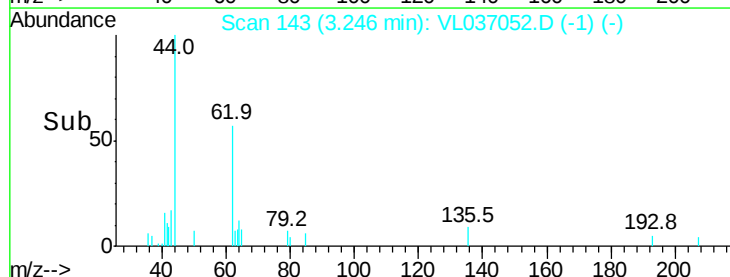
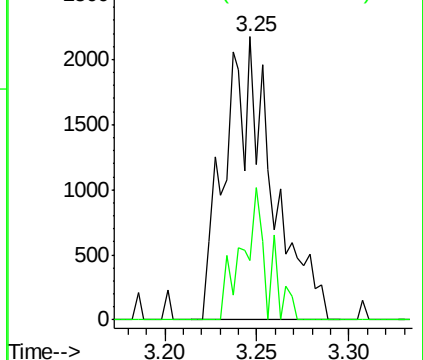
62 100

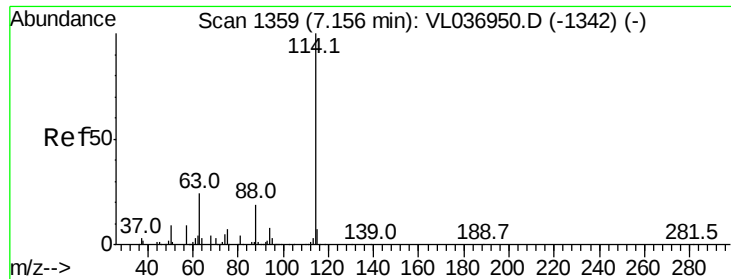
64 21.2 25.9 38.9#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VL037052.D

Acq: 24 May 2021 17:25

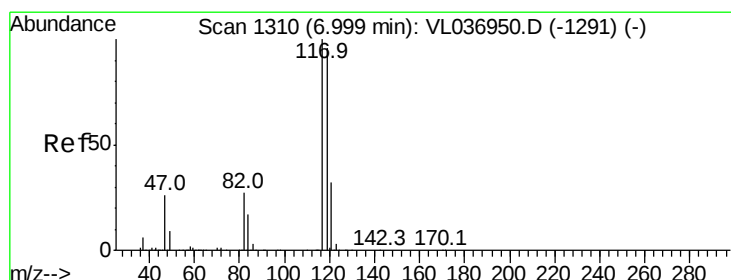
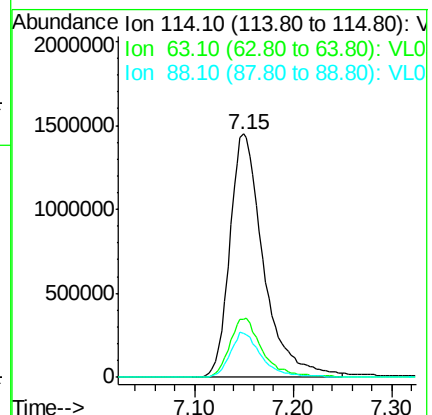
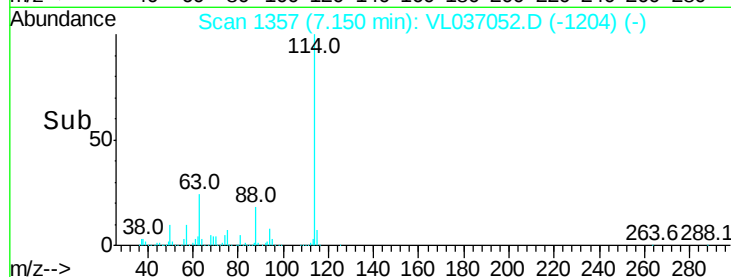
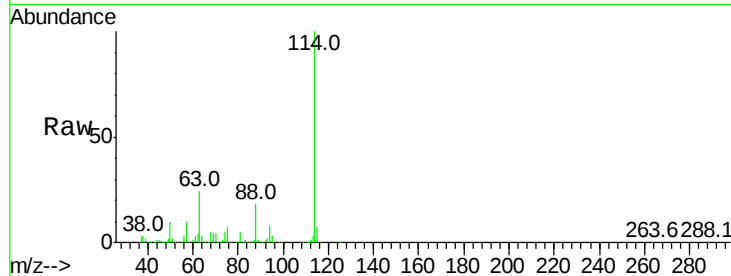
Instrument :
MSVOA_L

ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.6	29.4
88	17.7	14.6	21.8

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#35

Carbon Tetrachloride

Concen: 0.031 ppbv m

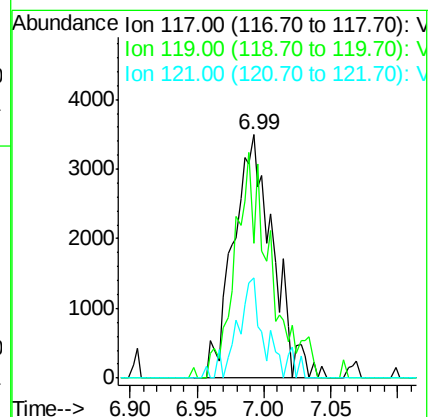
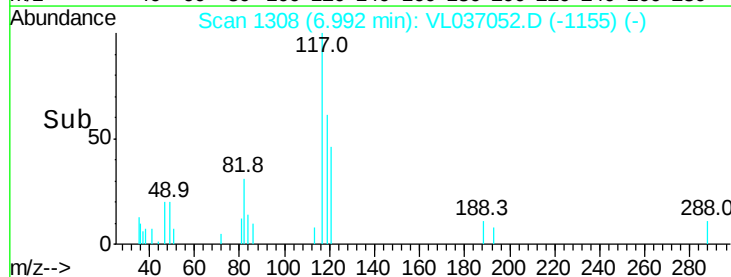
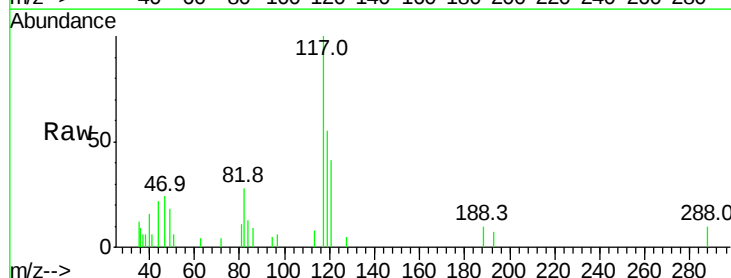
RT: 6.99 min Scan# 1308

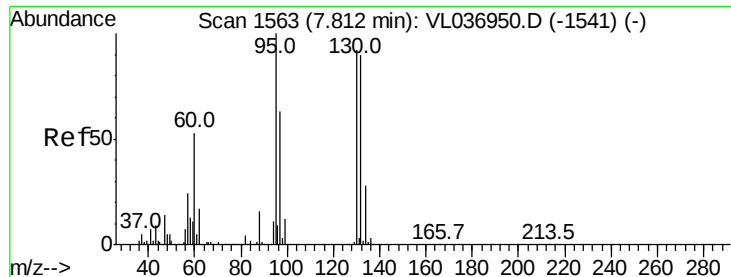
Delta R.T. -0.01 min

Lab File: VL037052.D

Acq: 24 May 2021 17:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	55.3	76.6	114.8#
121	41.3	25.8	38.6#





#38

Trichloroethene

Concen: 0.032 ppbv m

RT: 7.81 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL037052.D

Acq: 24 May 2021 17:25

Instrument :

MSVOA_L

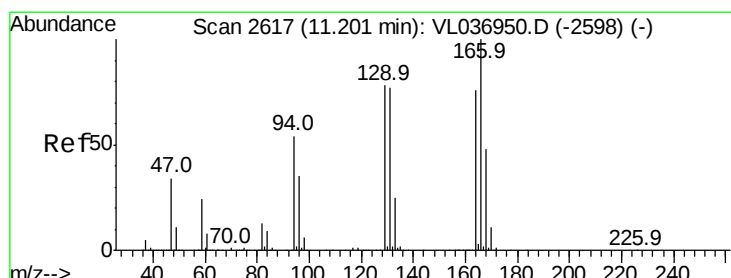
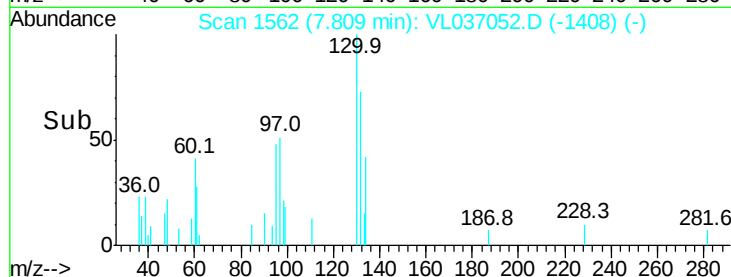
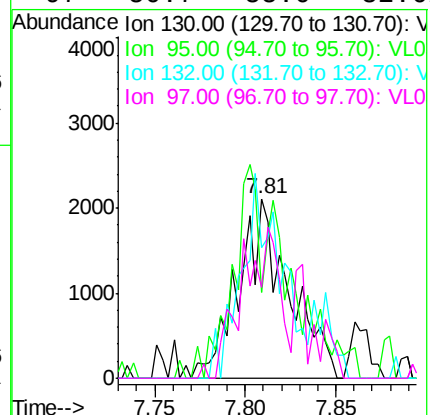
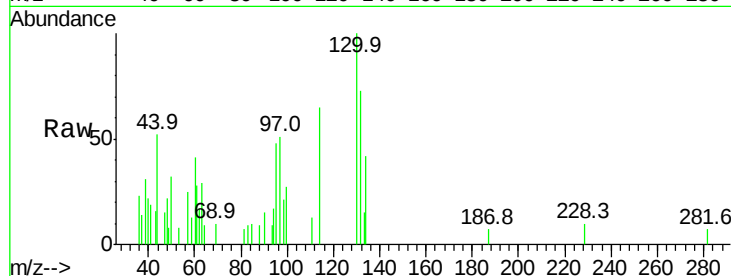
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
130	100		
95	47.9	86.9	130.3#
132	72.7	78.4	117.6#
97	50.7	55.0	82.6#

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#52

Tetrachloroethene

Concen: 0.040 ppbv m

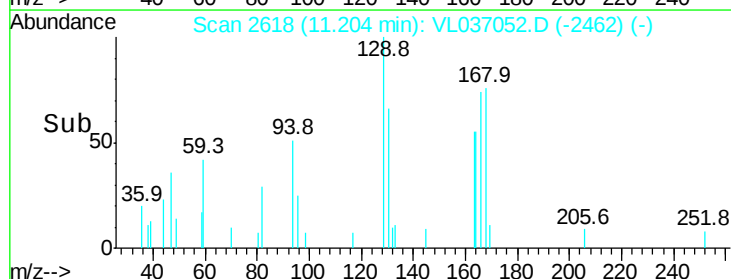
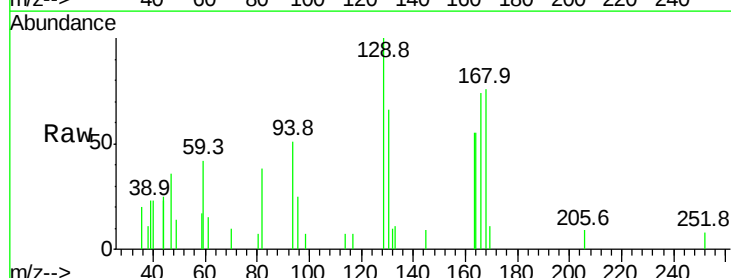
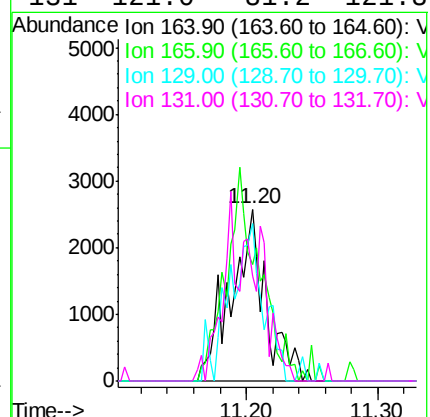
RT: 11.20 min Scan# 2618

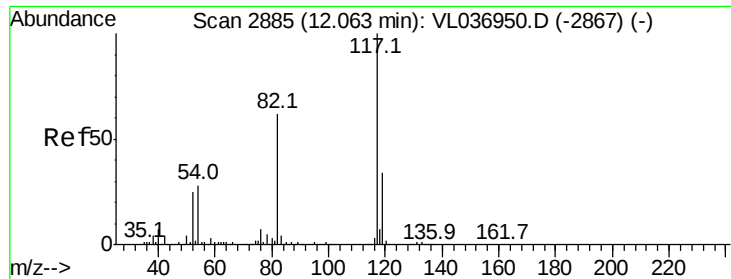
Delta R.T. 0.00 min

Lab File: VL037052.D

Acq: 24 May 2021 17:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.0	105.5	158.3
129	182.3	81.8	122.8#
131	121.0	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: VL037052.D

Acq: 24 May 2021 17:25

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion:117 Resp: 3001246

Ion Ratio Lower Upper

117 100

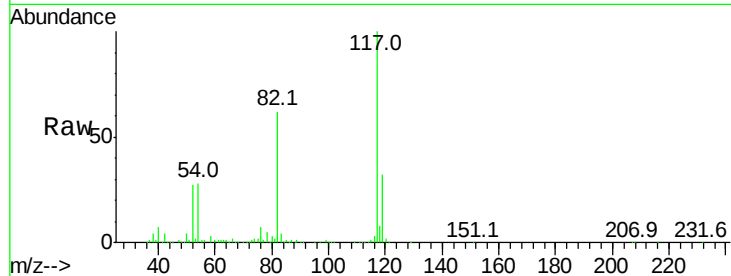
82 64.6 52.6 79.0

119 34.4 46.6 70.0#

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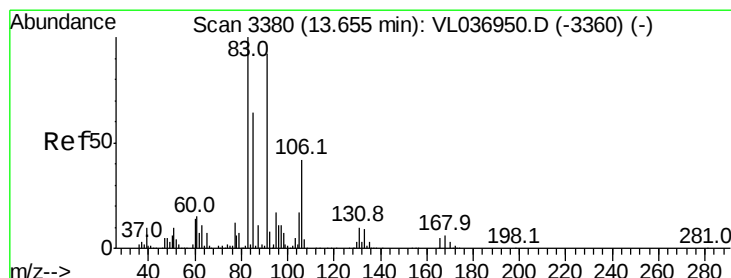
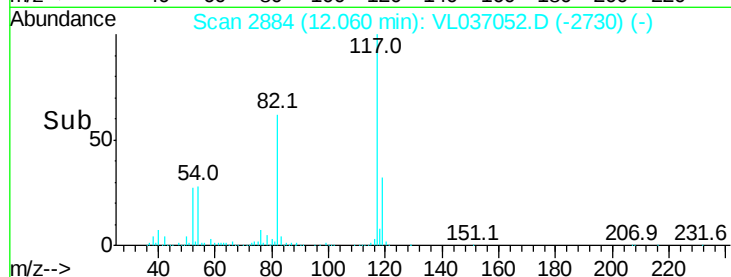
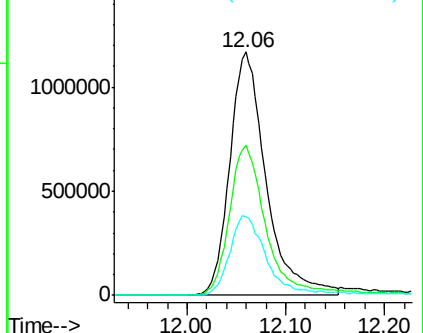
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Abundance Ion 117.10 (116.80 to 117.80): V

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: 0.035 ppbv m

RT: 13.67 min Scan# 3384

Delta R.T. 0.01 min

Lab File: VL037052.D

Acq: 24 May 2021 17:25

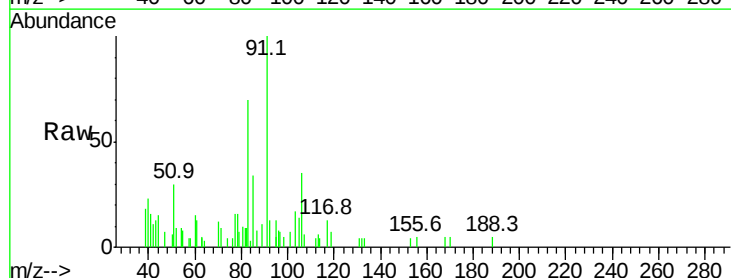
Tgt Ion: 83 Resp: 8608

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

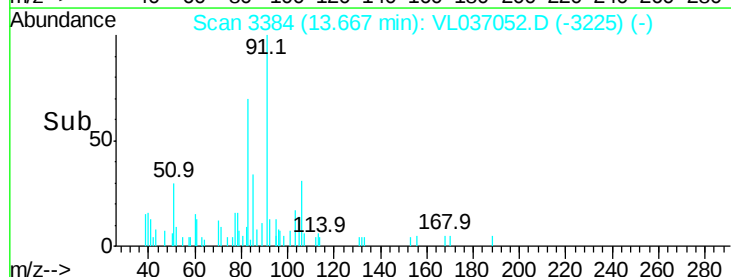
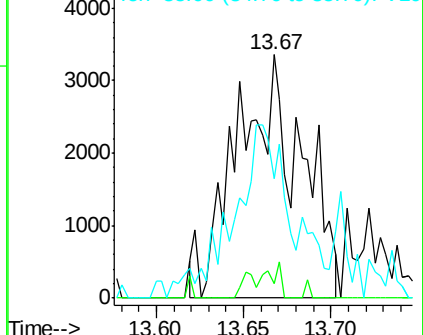
85 0.0 32.9 98.6#

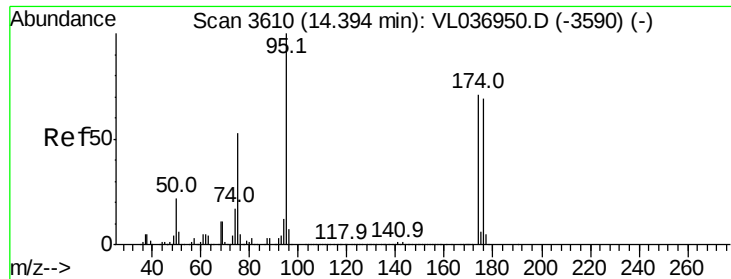


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.582 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL037052.D
 Acq: 24 May 2021 17:25

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 95 Resp: 2160445
 Ion Ratio Lower Upper
 95 100
 174 76.0 58.4 87.6
 175 5.6 4.4 6.6

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