

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037448.D
 Acq On : 13 Aug 2021 14:36
 Operator : SY/AP
 Sample : M1458-14 0.03 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Manual Integrations
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Quant Time: Aug 16 02:45:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1204459	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3618127	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3108946	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2353832	10.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	3607m	0.039	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	9053m	0.041	ppbv	
35) Carbon Tetrachloride	7.02	117	8453m	0.038	ppbv	
38) Trichloroethene	7.82	130	5396m	0.040	ppbv	
52) Tetrachloroethene	11.22	164	6153m	0.048	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	12140m	0.047	ppbv	

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

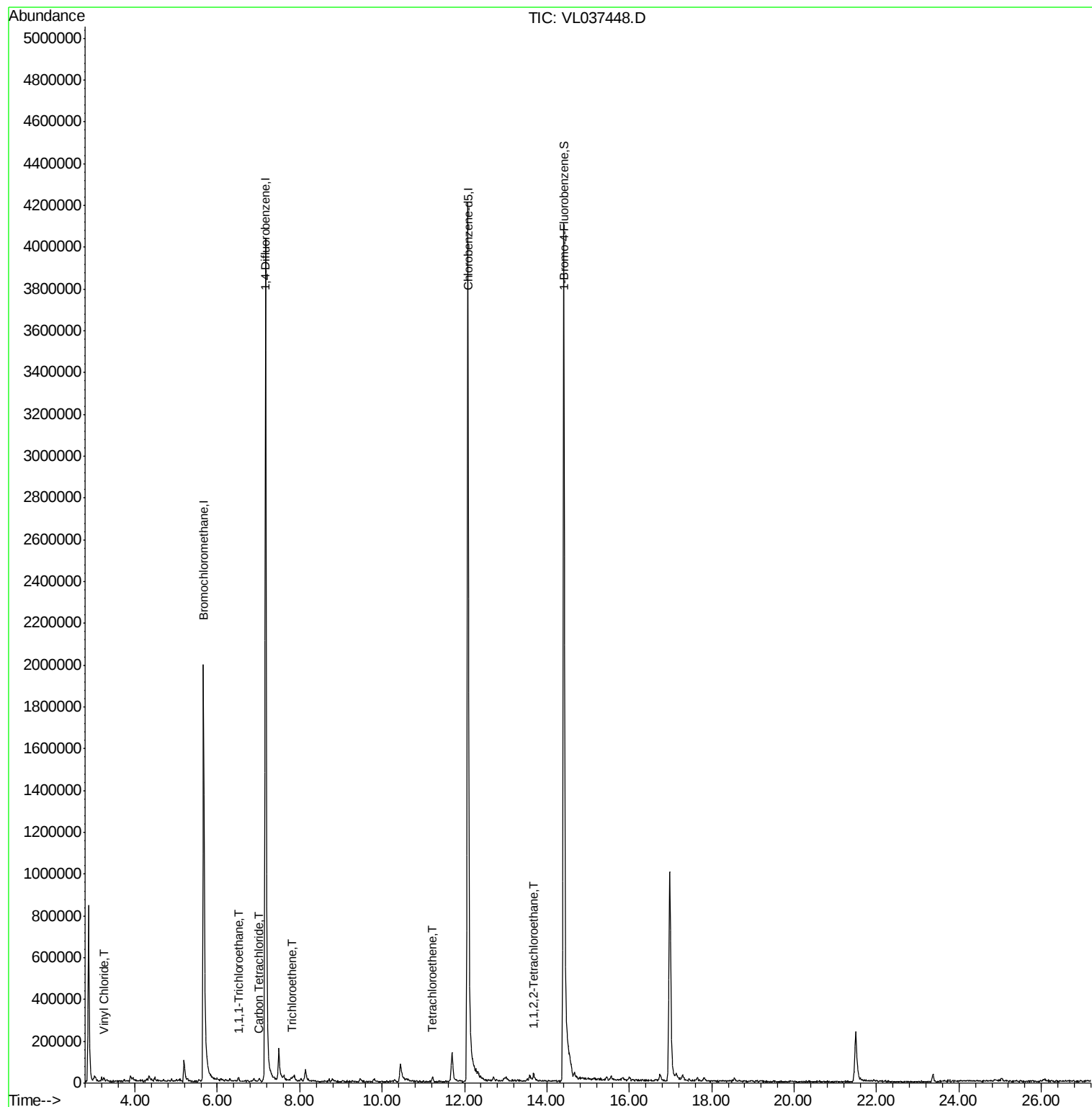
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081321\
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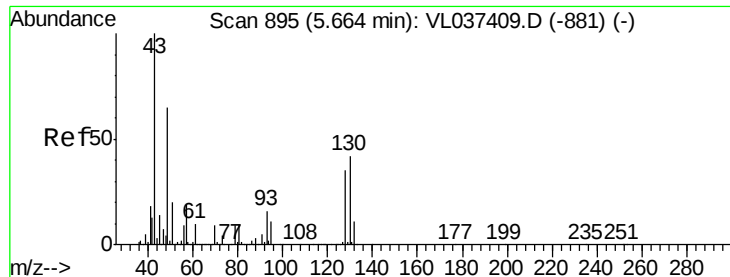
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QLast Update : Fri Aug 13 01:37:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2021

Tot Ion: 49 Resp: 1204459

Ion Ratio Lower Upper

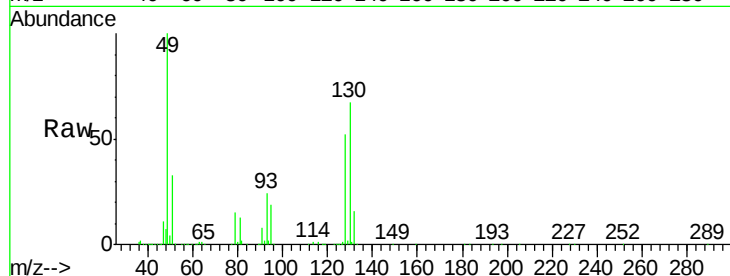
49 100

128 56.0 27.9 83.6

130 71.6 34.6 103.8

Manual Integrations
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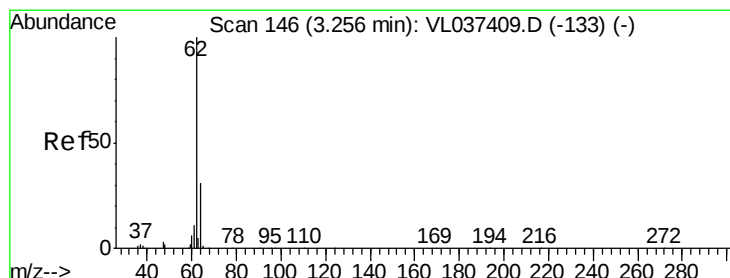
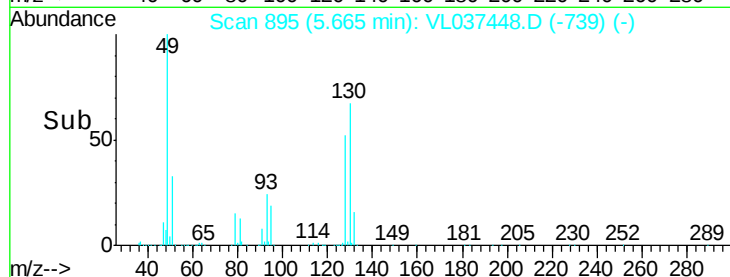
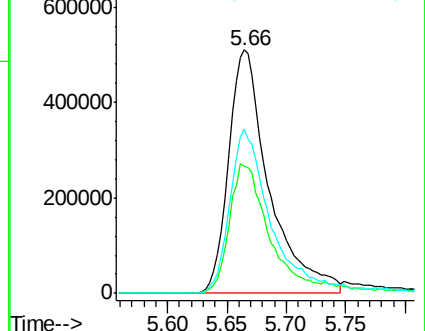
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.039 ppbv m

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL037448.D

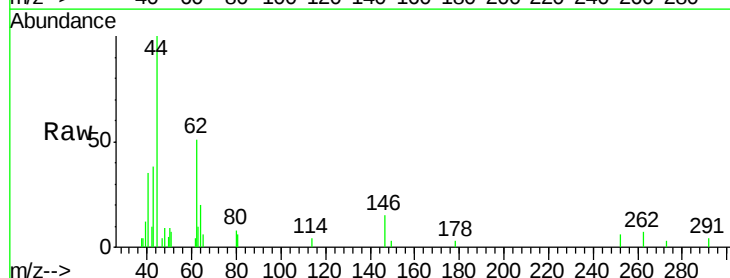
Acq: 13 Aug 2021 14:36

Tgt Ion: 62 Resp: 3607

Ion Ratio Lower Upper

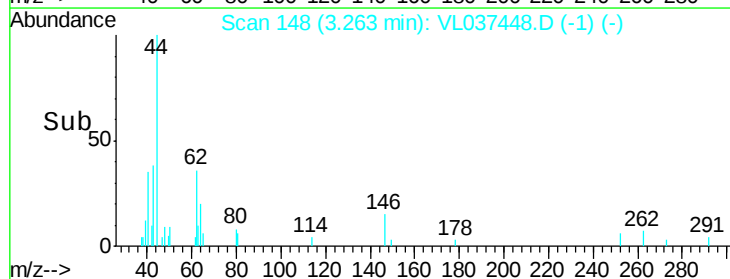
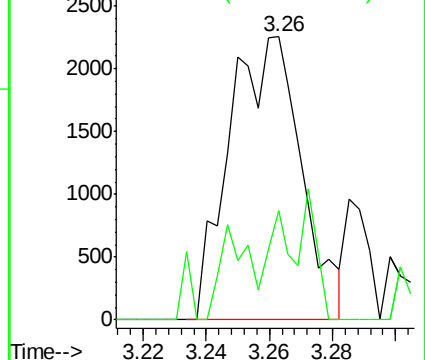
62 100

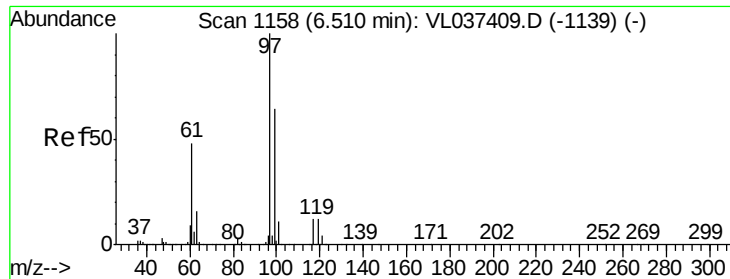
64 38.5 25.0 37.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





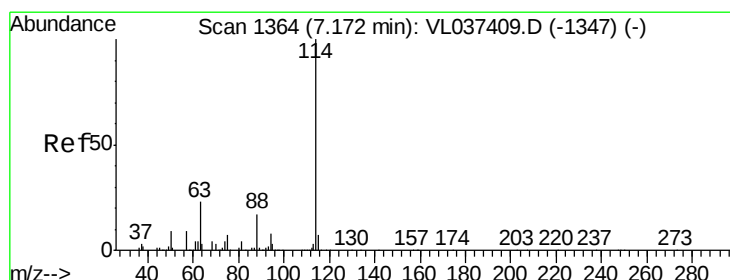
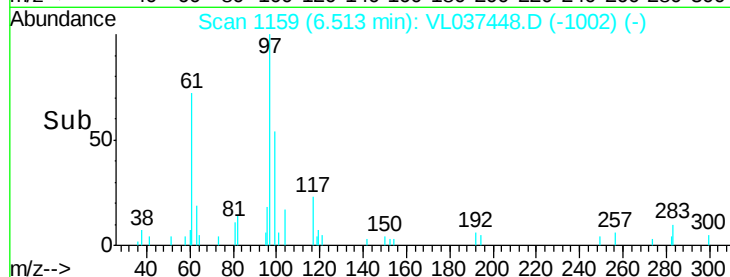
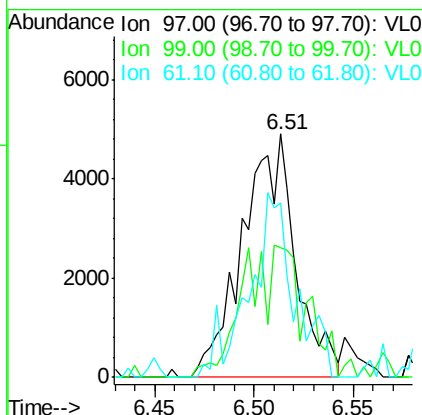
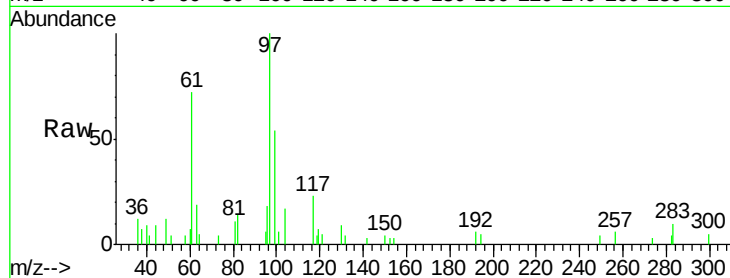
#32
 1,1,1-Trichloroethane
 Concen: 0.041 ppbv m
 RT: 6.51 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
97	100		
99	66.7	52.3	78.5
61	0.0	40.1	60.1#

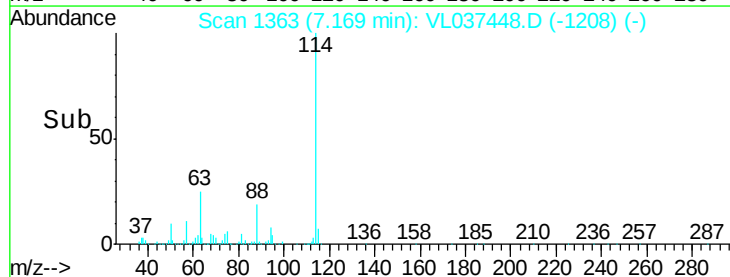
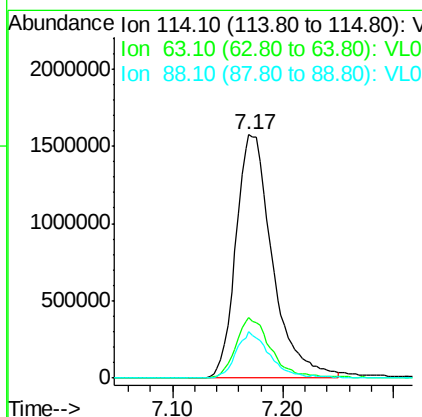
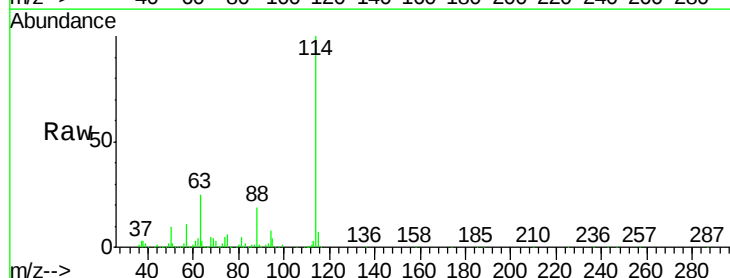
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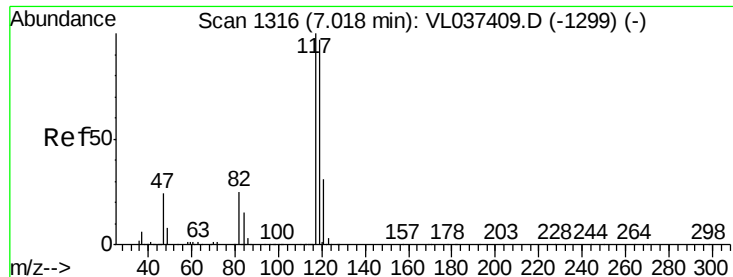
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.4	29.2
88	17.9	14.2	21.4





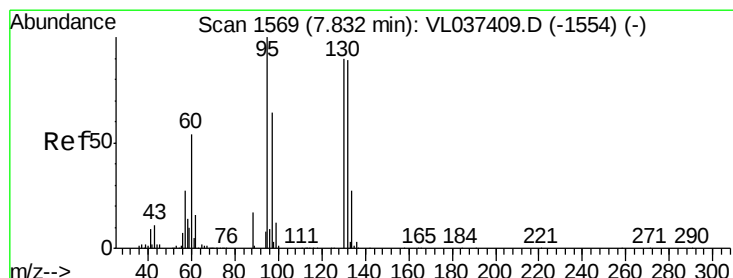
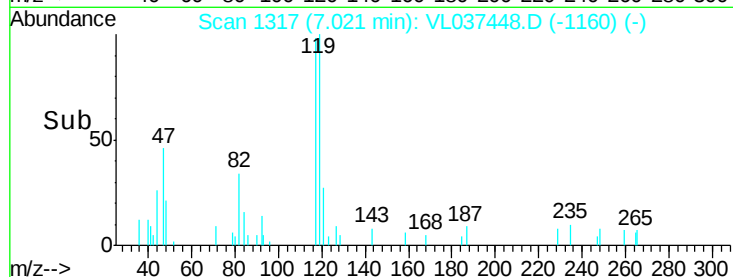
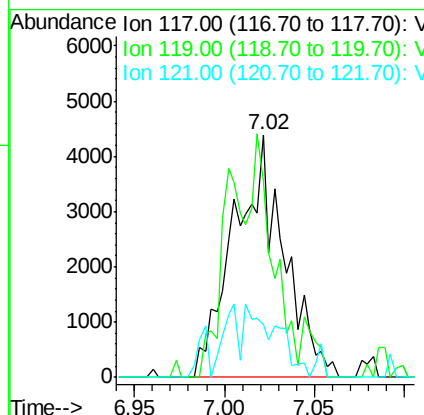
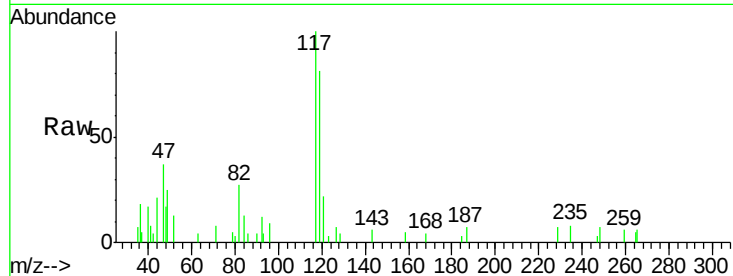
#35
Carbon Tetrachloride
Concen: 0.038 ppbv m
RT: 7.02 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
117	100		
119	80.8	77.5	116.3
121	21.5	24.7	37.1#

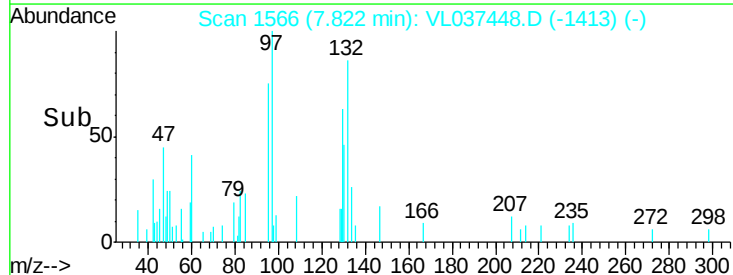
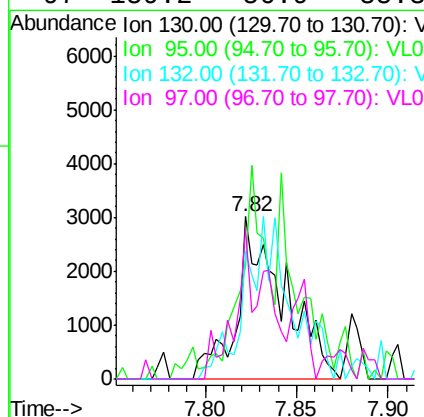
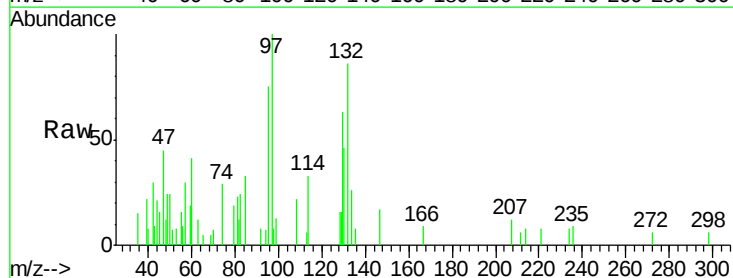
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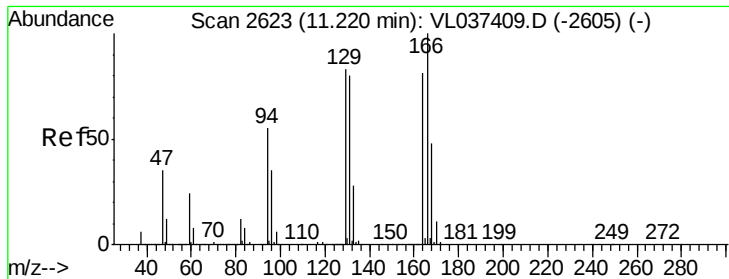
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#38
Trichloroethene
Concen: 0.040 ppbv m
RT: 7.82 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VL037448.D
Acq: 13 Aug 2021 14:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	119.6	88.6	132.8
132	136.2	79.2	118.8#
97	159.2	56.9	85.3#





#52

Tetrachloroethene

Concen: 0.048 ppbv m

RT: 11.22 min Scan# 2623

Delta R.T. 0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Instrument :

MSVOA_L

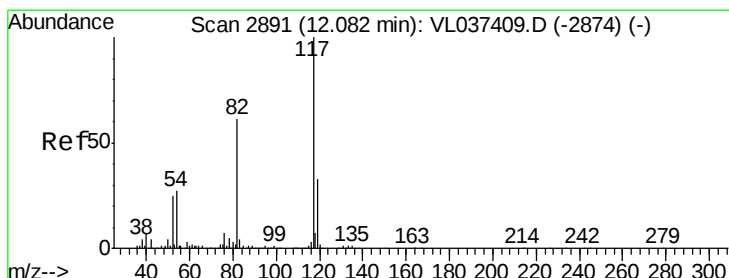
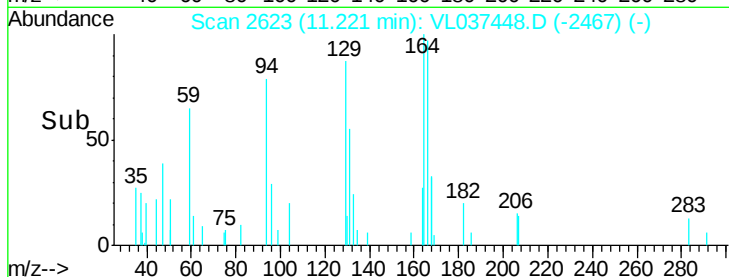
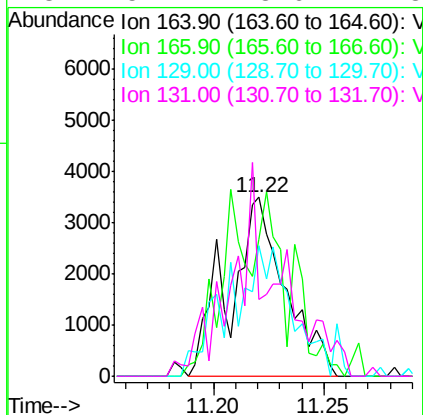
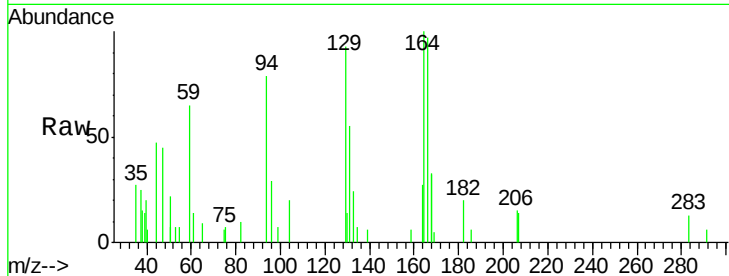
ClientSampleId :

LOQ-AIR-01-QT1-2021

Tot Ion:	164	Resp:	6153
Ion	Ratio	Lower	Upper
164	100		
166	96.9	98.6	147.8#
129	92.6	82.0	123.0
131	54.7	78.6	117.8#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

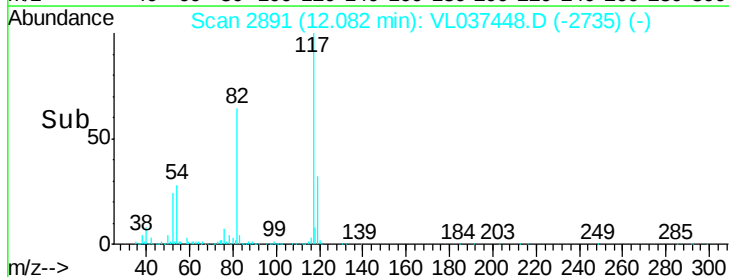
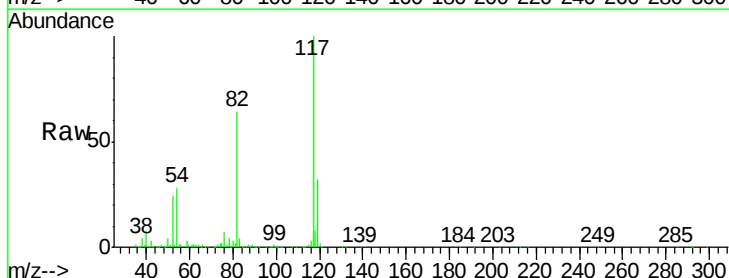
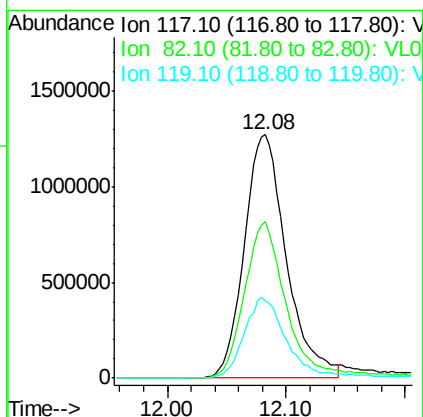
RT: 12.08 min Scan# 2891

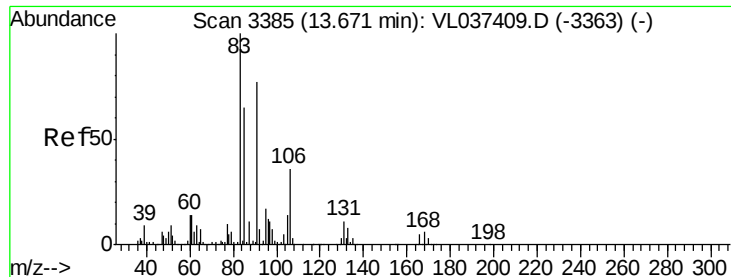
Delta R.T. 0.00 min

Lab File: VL037448.D

Acq: 13 Aug 2021 14:36

Tgt Ion:	117	Resp:	3108946
Ion	Ratio	Lower	Upper
117	100		
82	66.4	53.1	79.7
119	35.1	28.0	42.0





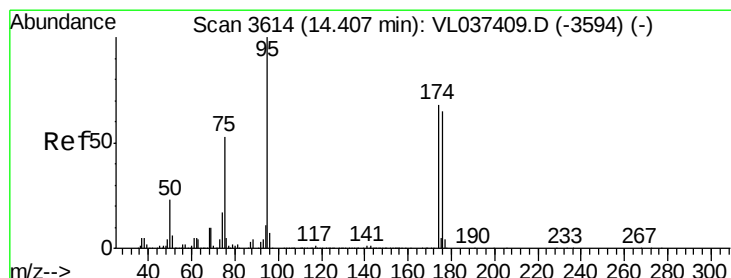
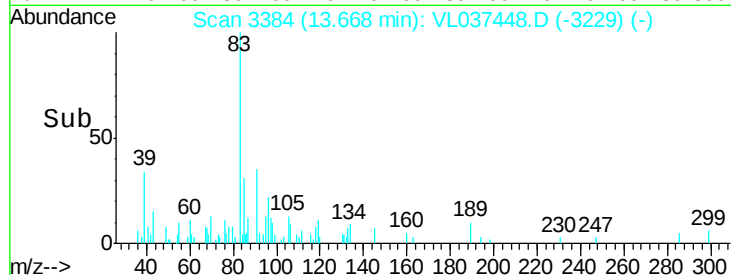
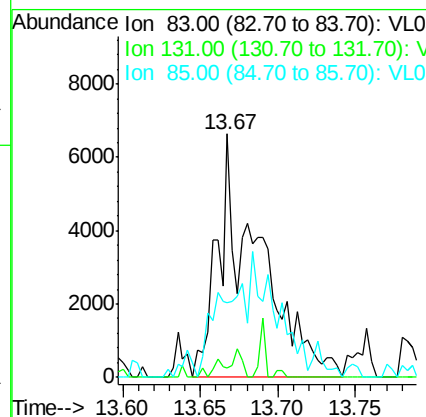
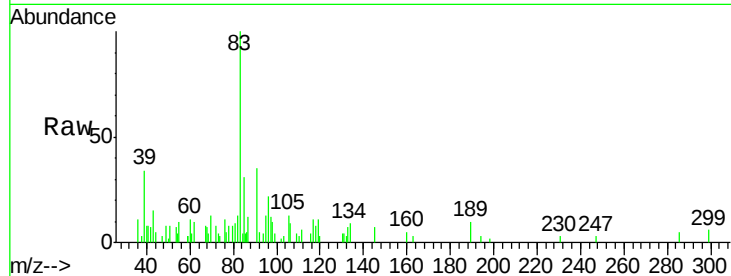
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.047 ppbv m
 RT: 13.67 min Scan# 3384
 Delta R.T. -0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.1	15.4#
85	0.0	33.4	100.2#

Manual Integrations
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.554 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. 0.00 min
 Lab File: VL037448.D
 Acq: 13 Aug 2021 14:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.9	59.6	89.4
175	5.3	4.3	6.5

