

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037451.D
 Acq On : 13 Aug 2021 16:27
 Operator : SY/AP
 Sample : M2940-14 0.03 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

Manual Integrations
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Quant Time: Aug 16 02:59:11 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	5.67	49	1119166	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3580082	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2960239	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2269583	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	3.26	62	4251m	0.049	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	10042m	0.048	ppbv	
35) Carbon Tetrachloride	7.04	117	7982m	0.036	ppbv	
38) Trichloroethene	7.82	130	5184m	0.039	ppbv	
52) Tetrachloroethene	11.22	164	5218m	0.041	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.68	83	11124m	0.045	ppbv	

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

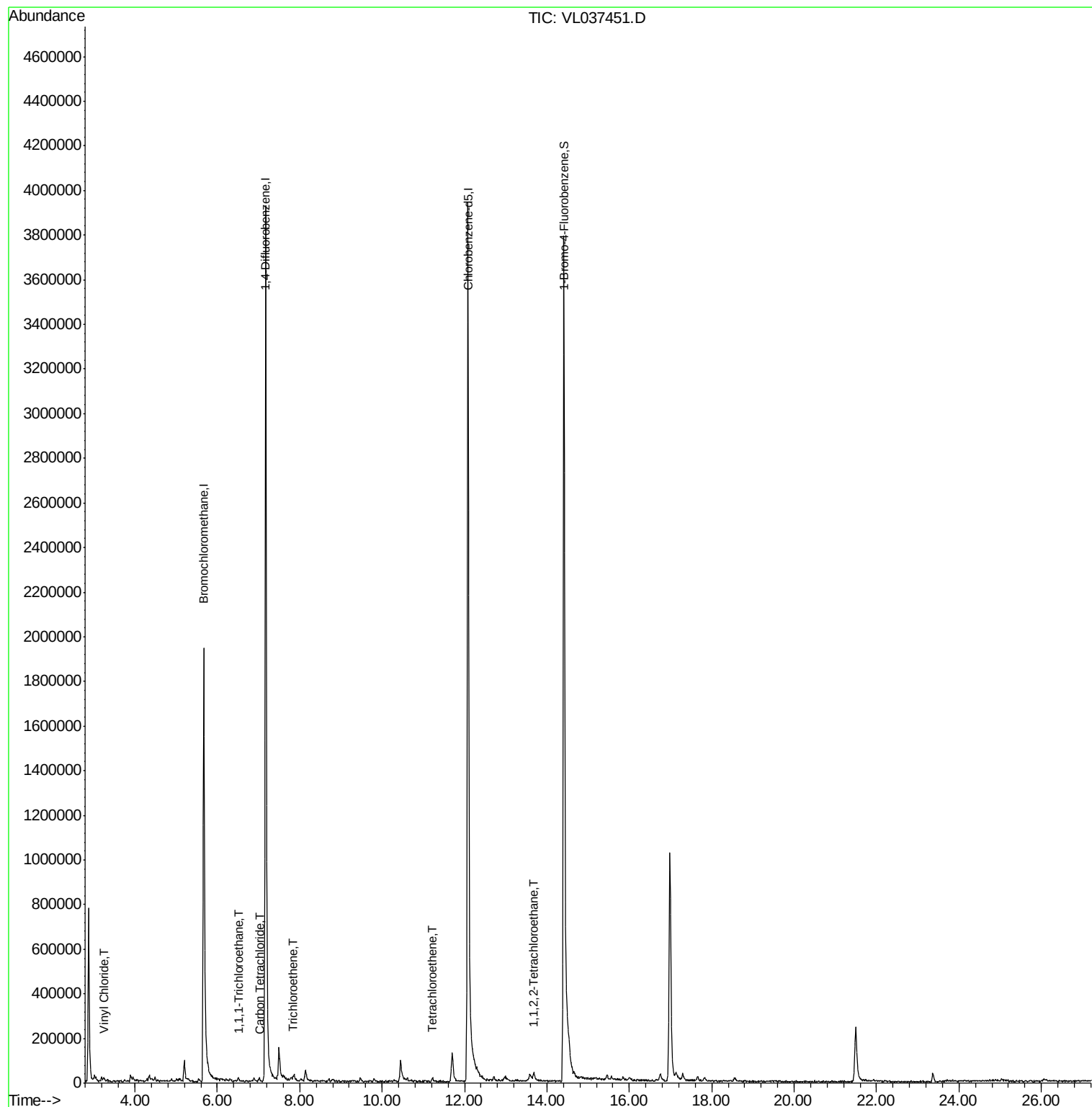
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081321\
Data File : VL037451.D
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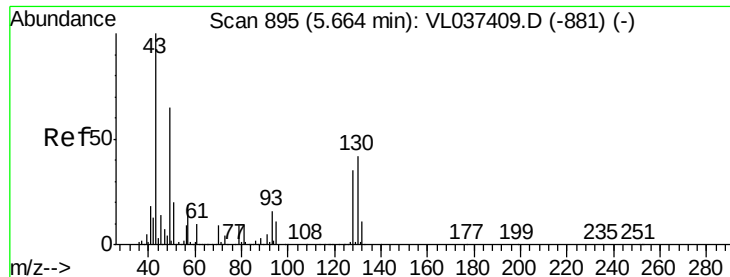
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
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QLast Update : Fri Aug 13 01:37:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037451.D

Acq: 13 Aug 2021 16:27

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion: 49 Resp: 1119166

Ion Ratio Lower Upper

49 100

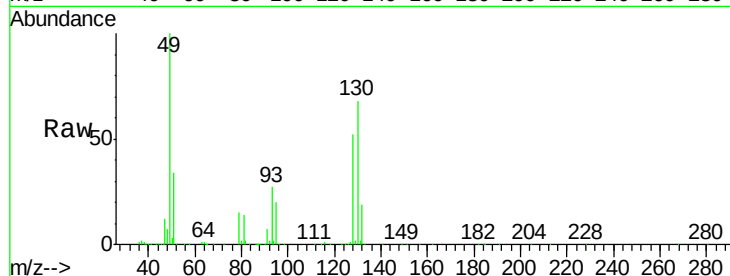
128 59.5 27.9 83.6

130 75.0 34.6 103.8

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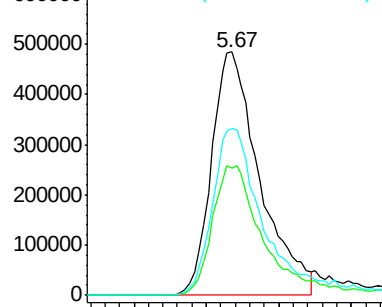
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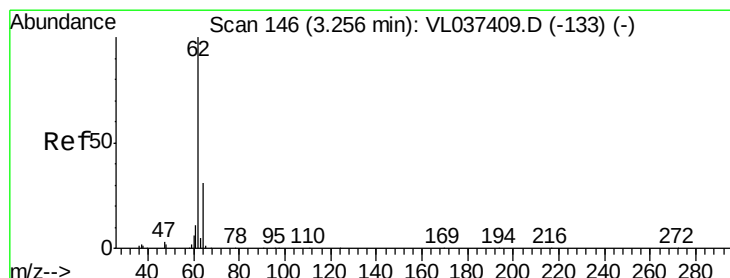
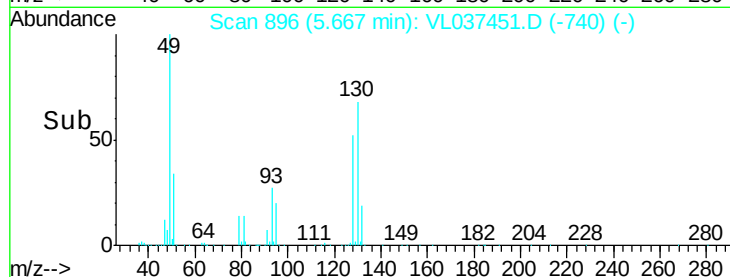
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#5

Vinyl Chloride

Concen: 0.049 ppbv m

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL037451.D

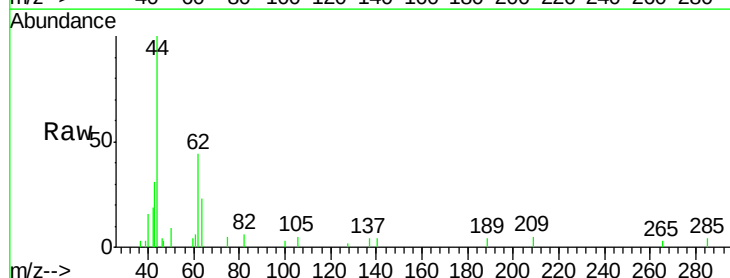
Acq: 13 Aug 2021 16:27

Tgt Ion: 62 Resp: 4251

Ion Ratio Lower Upper

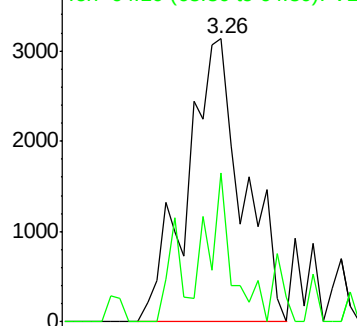
62 100

64 52.5 25.0 37.6#

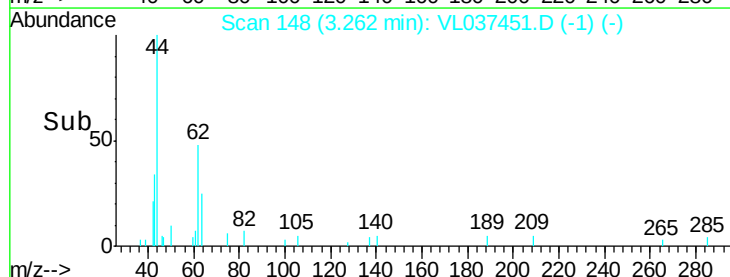


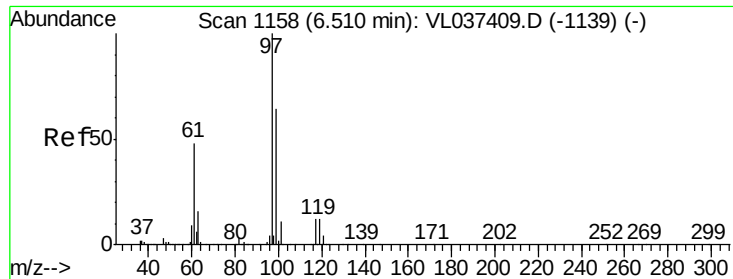
Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->





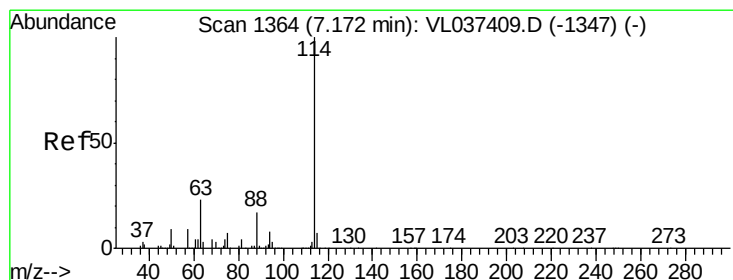
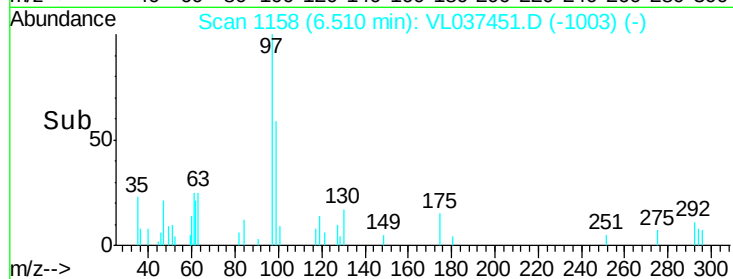
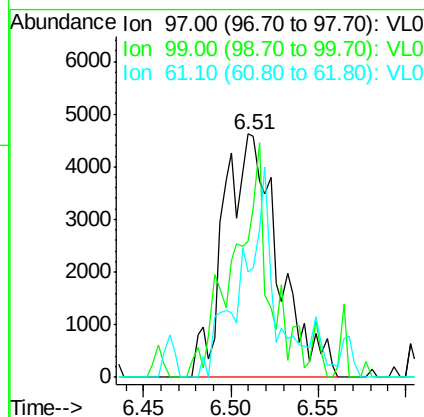
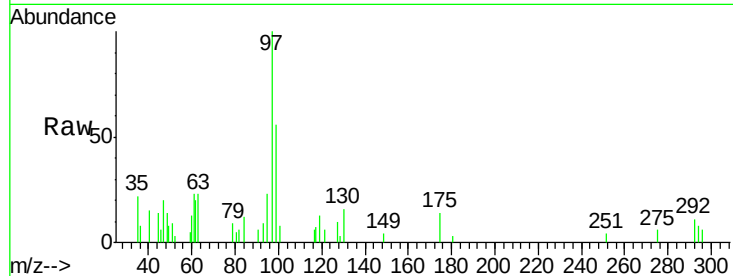
#32
 1,1,1-Trichloroethane
 Concen: 0.048 ppbv m
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.00 min
 Lab File: VL037451.D
 Acq: 13 Aug 2021 16:27

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

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

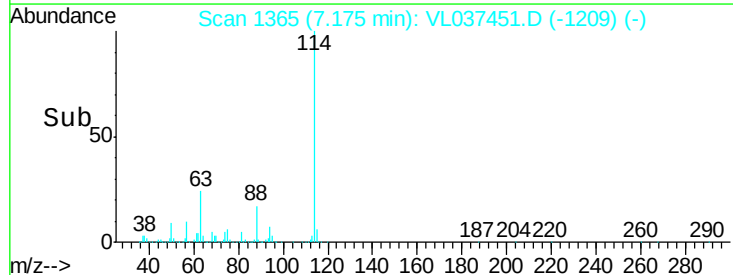
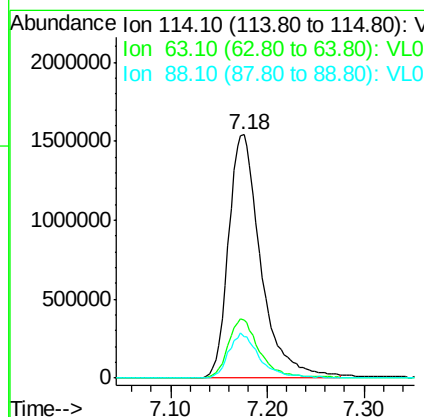
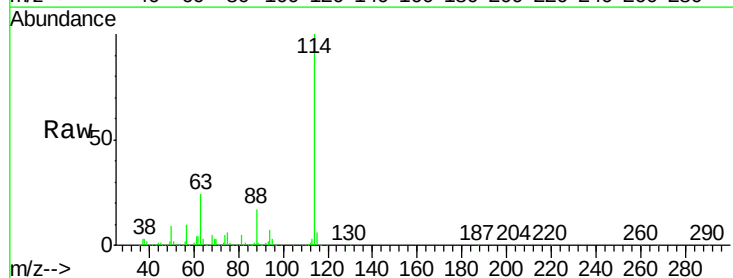
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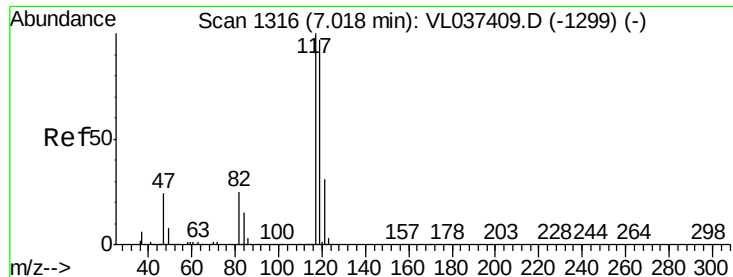
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VL037451.D
 Acq: 13 Aug 2021 16:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.4	29.2
88	17.9	14.2	21.4





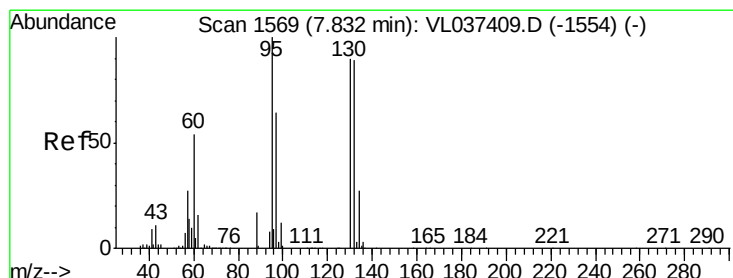
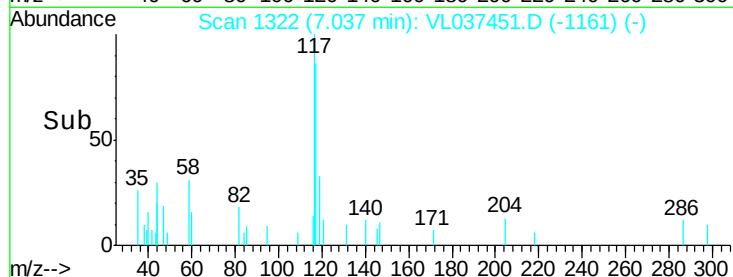
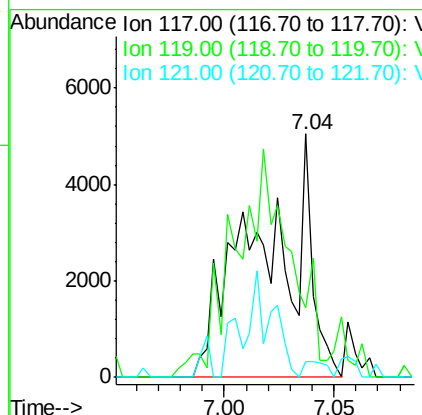
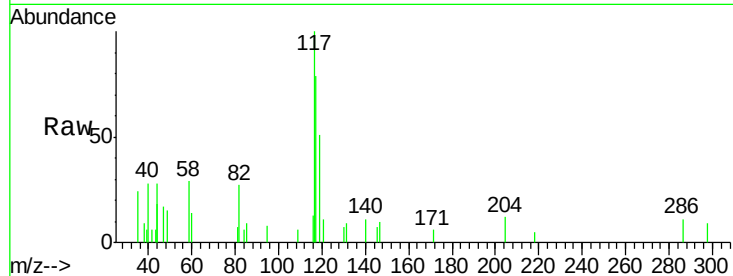
#35
Carbon Tetrachloride
Concen: 0.036 ppbv m
RT: 7.04 min Scan# 1322
Delta R.T. 0.02 min
Lab File: VL037451.D
Acq: 13 Aug 2021 16:27

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2021

Tot Ion	Ratio	Lower	Upper
117	100		
119	51.2	77.5	116.3#
121	11.2	24.7	37.1#

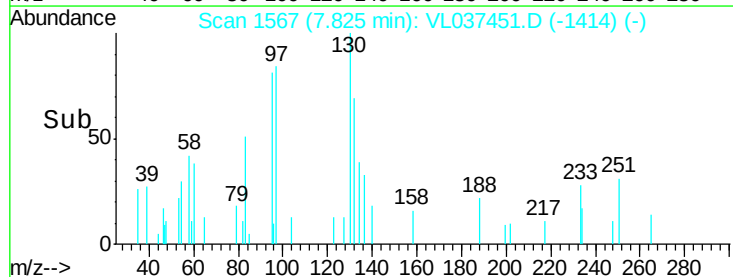
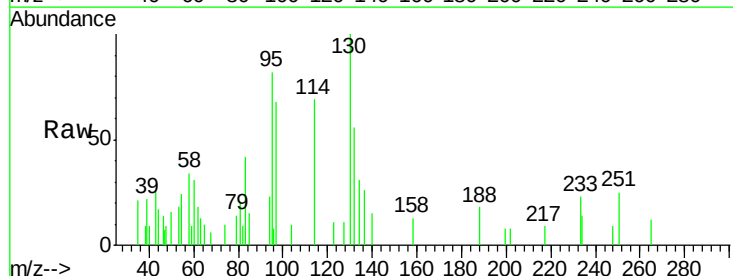
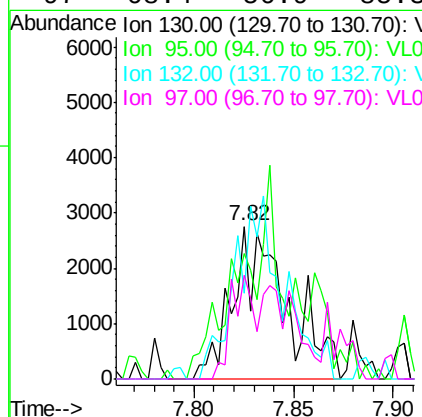
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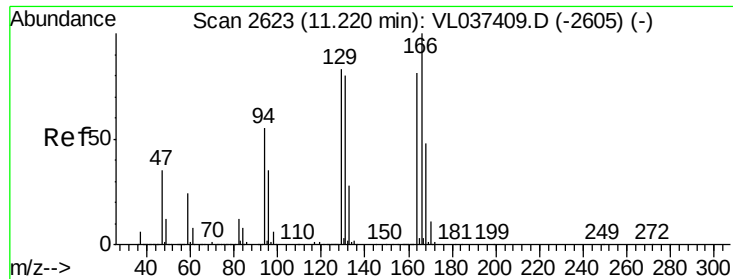
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#38
Trichloroethene
Concen: 0.039 ppbv m
RT: 7.82 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VL037451.D
Acq: 13 Aug 2021 16:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	82.1	88.6	132.8#
132	56.0	79.2	118.8#
97	68.4	56.9	85.3





#52

Tetrachloroethene

Concen: 0.041 ppbv m

RT: 11.22 min Scan# 2622

Delta R.T. -0.00 min

Lab File: VL037451.D

Acq: 13 Aug 2021 16:27

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2021

Tot Ion:164 Resp: 5218

Ion Ratio Lower Upper

164 100

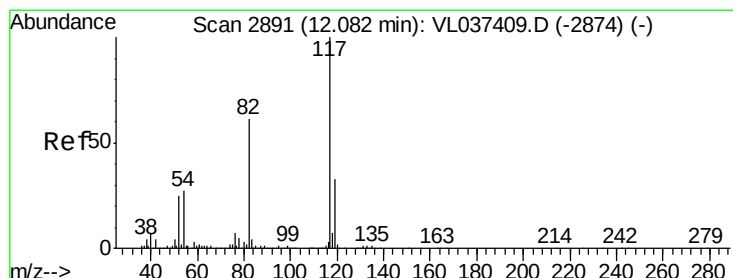
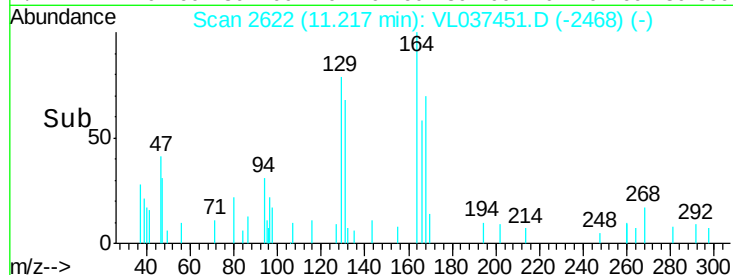
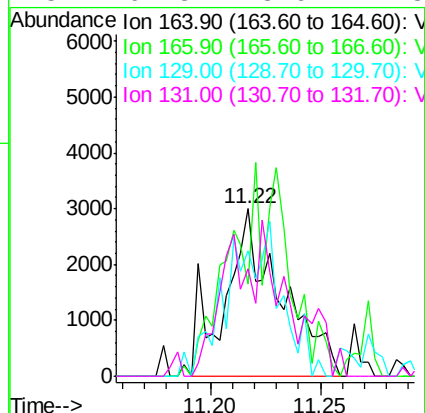
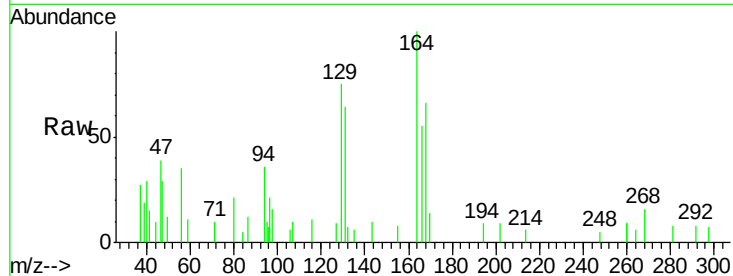
166 55.2 98.6 147.8#

129 74.8 82.0 123.0#

131 64.3 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: VL037451.D

Acq: 13 Aug 2021 16:27

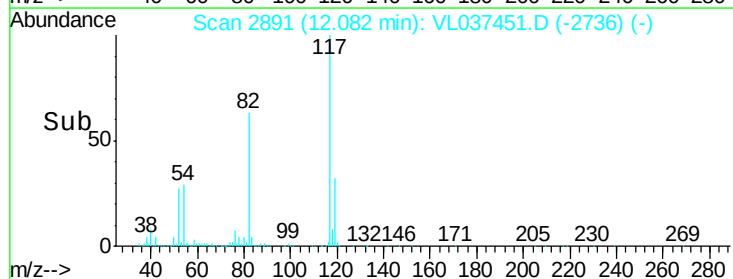
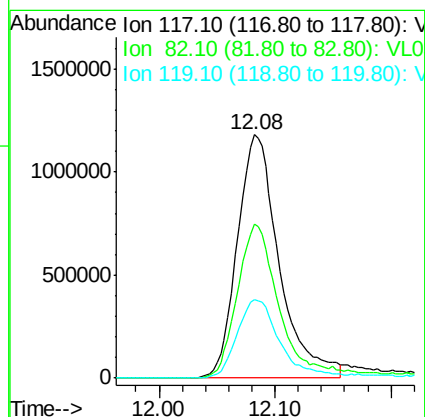
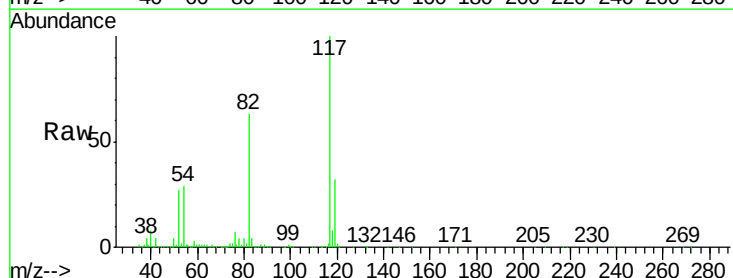
Tgt Ion:117 Resp: 2960239

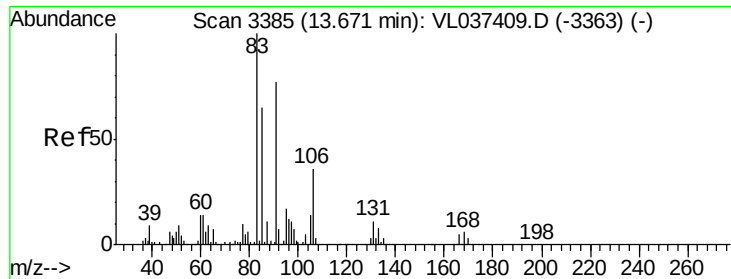
Ion Ratio Lower Upper

117 100

82 67.5 53.1 79.7

119 35.4 28.0 42.0





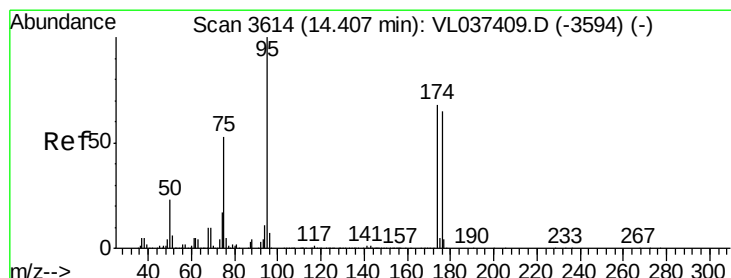
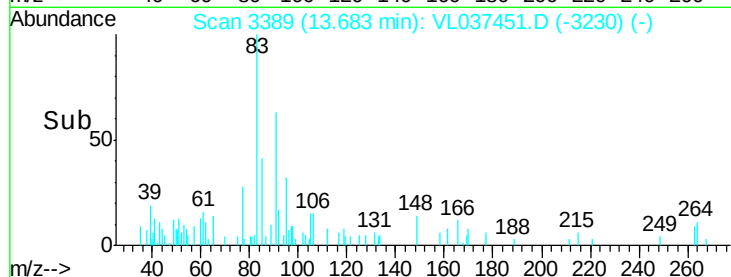
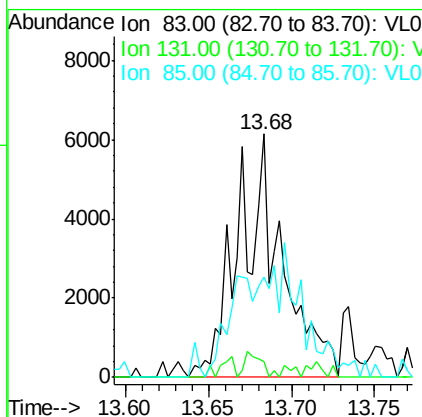
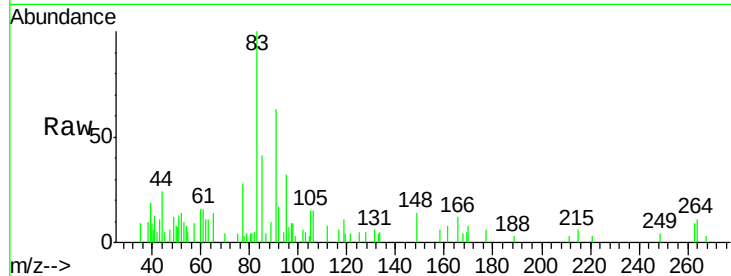
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.045 ppbv m
 RT: 13.68 min Scan# 3389
 Delta R.T. 0.01 min
 Lab File: VL037451.D
 Acq: 13 Aug 2021 16:27

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

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

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.688 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. 0.00 min
 Lab File: VL037451.D
 Acq: 13 Aug 2021 16:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.5	59.6	89.4
175	4.7	4.3	6.5

