

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037450.D
 Acq On : 13 Aug 2021 15:50
 Operator : SY/AP
 Sample : M2262-14 0.03 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Aug 16 02:54:44 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	1171484	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3617590	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3093906	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.41	95	2217286	9.99	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	3906m	0.043	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	8382m	0.039	ppbv	
35) Carbon Tetrachloride	7.01	117	7498m	0.034	ppbv	
38) Trichloroethene	7.85	130	5708m	0.042	ppbv	
52) Tetrachloroethene	11.22	164	5414m	0.042	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	12548m	0.049	ppbv	

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

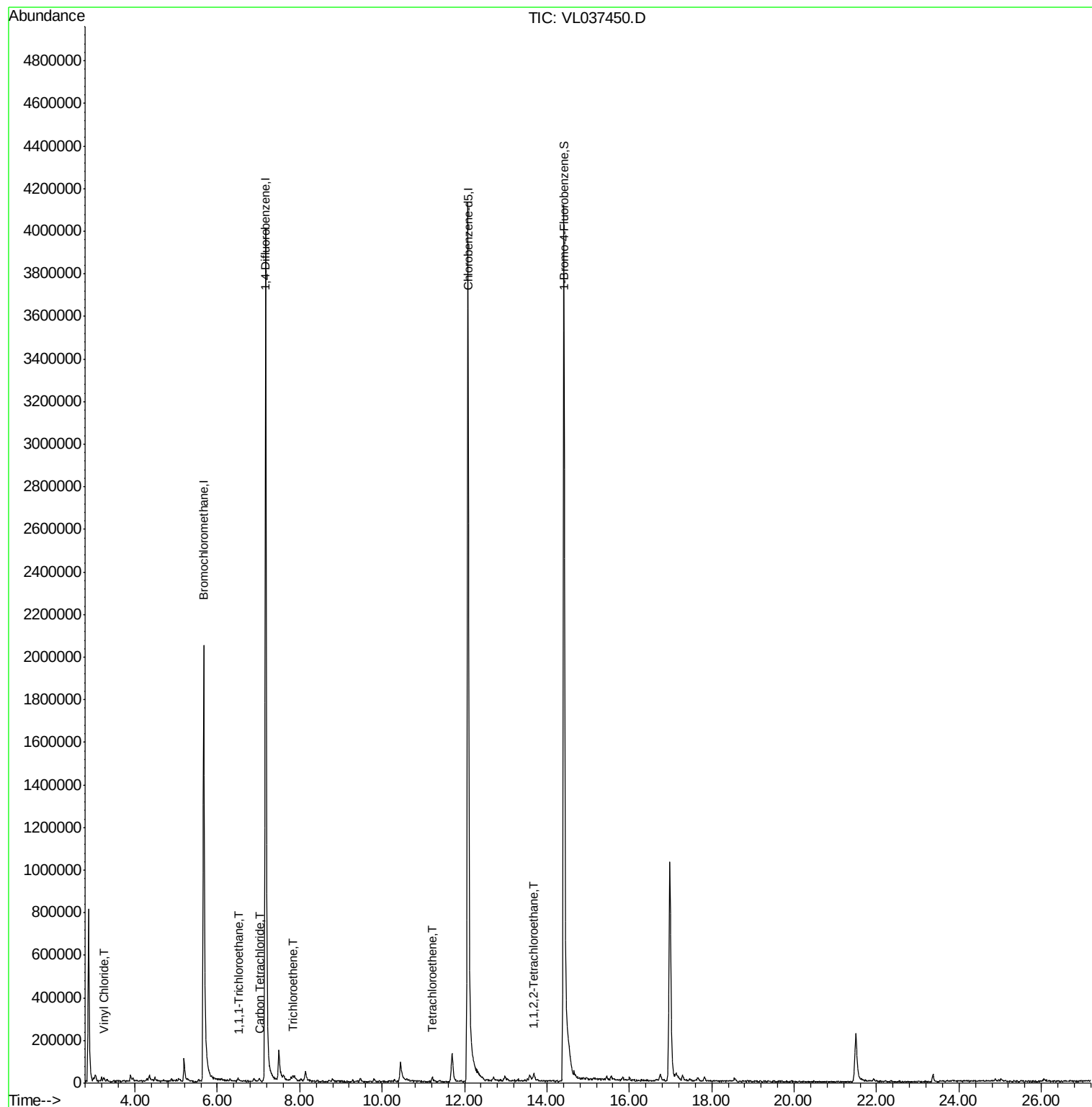
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081321\
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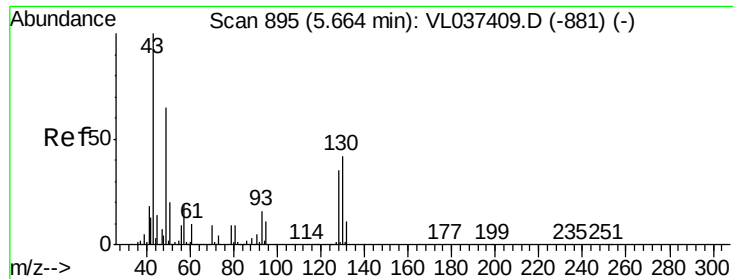
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#1

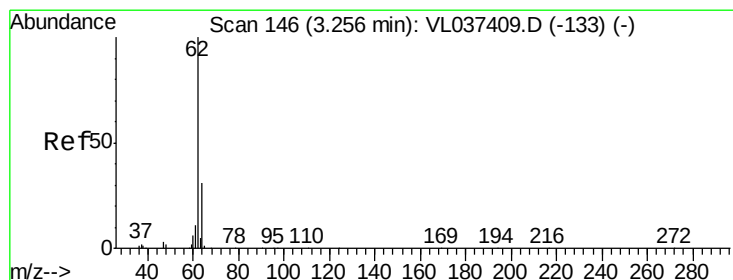
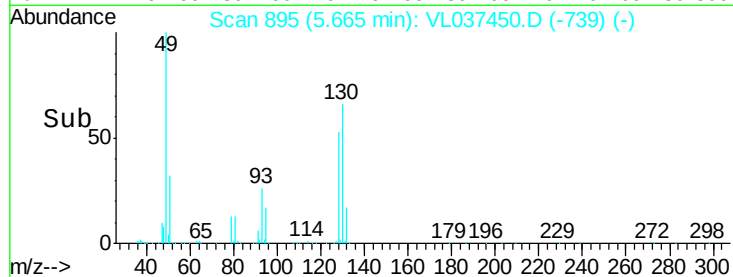
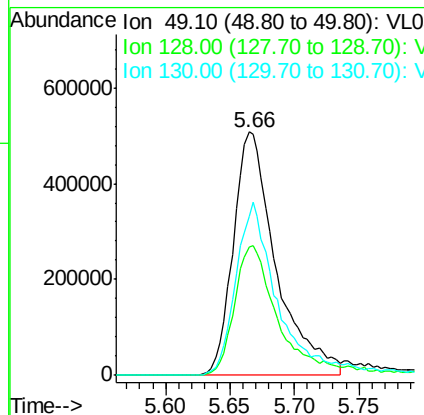
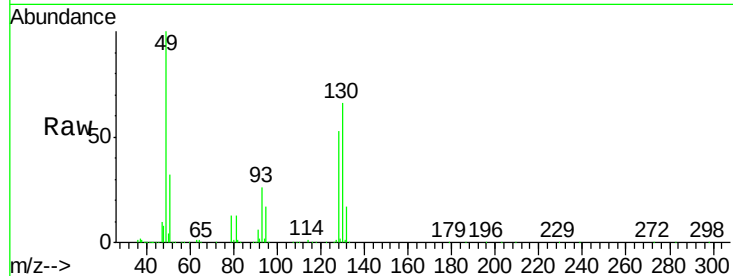
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

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

Tot Ion: 49 Resp: 1171484
 Ion Ratio Lower Upper
 49 100
 128 57.7 27.9 83.6
 130 72.8 34.6 103.8

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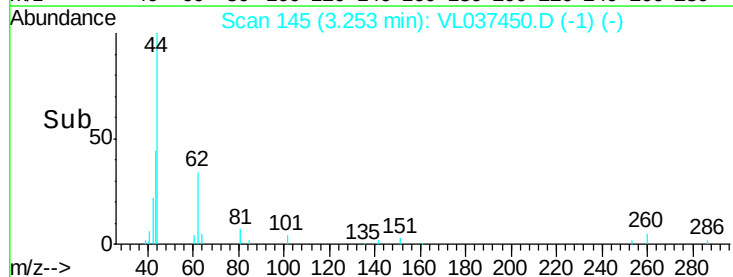
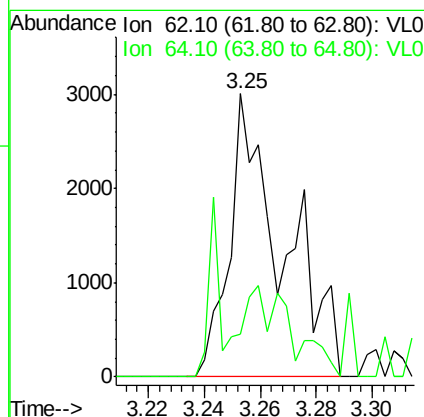
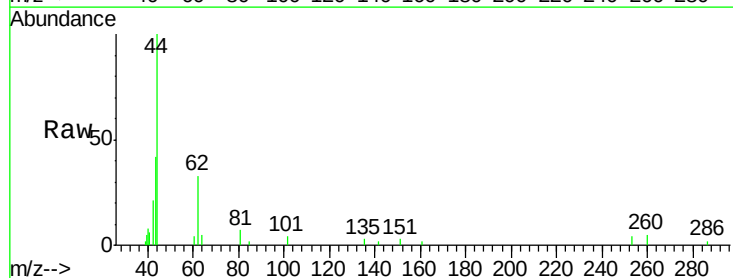
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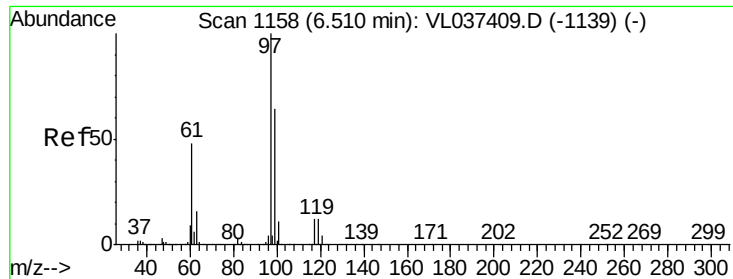


#5

Vinyl Chloride
 Concen: 0.043 ppbv m
 RT: 3.25 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

Tgt Ion: 62 Resp: 3906
 Ion Ratio Lower Upper
 62 100
 64 15.3 25.0 37.6#





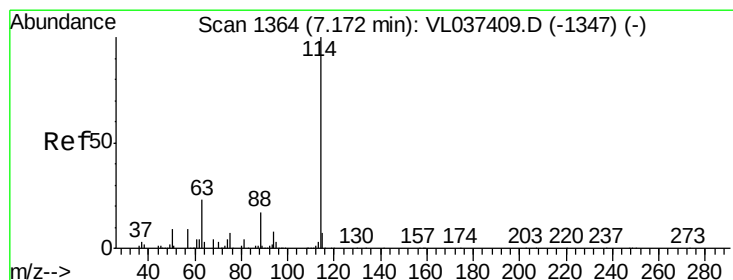
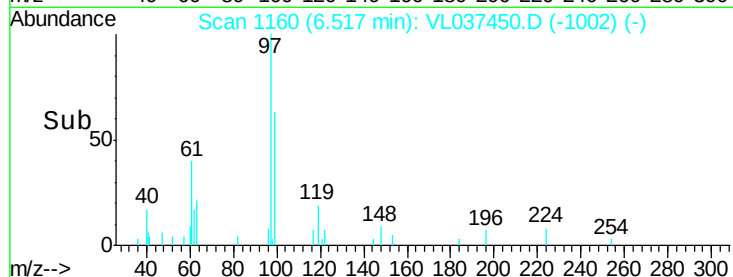
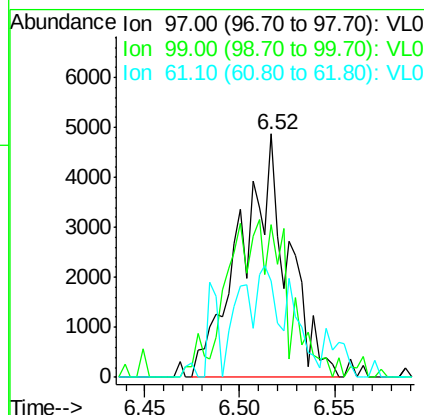
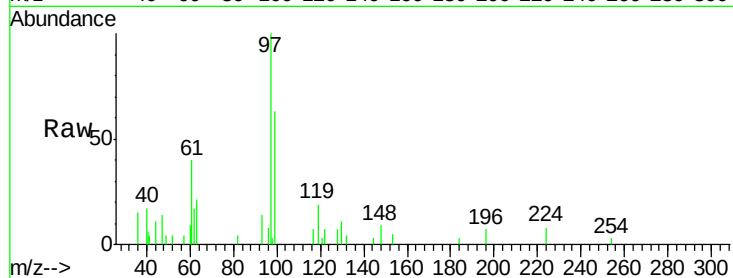
#32
 1,1,1-Trichloroethane
 Concen: 0.039 ppbv m
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

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

Tot Ion	Ratio	Lower	Upper
97	100		
99	84.8	52.3	78.5#
61	64.6	40.1	60.1#

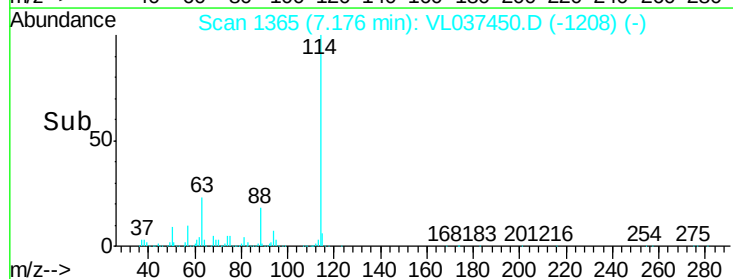
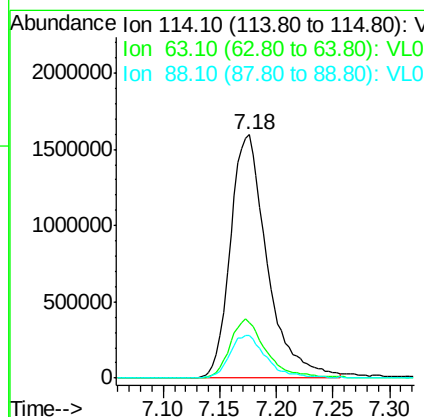
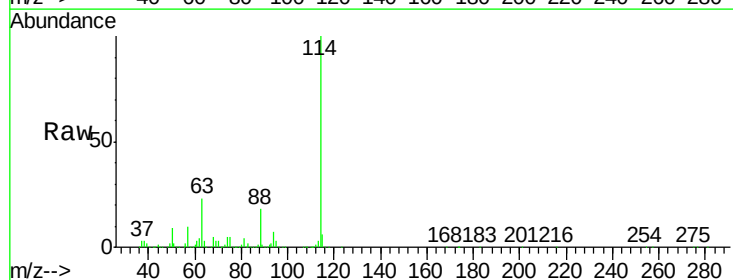
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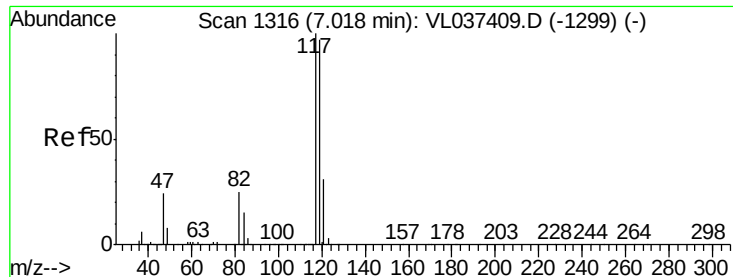
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.4	29.2
88	18.2	14.2	21.4





#35

Carbon Tetrachloride

Concen: 0.034 ppbv m

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

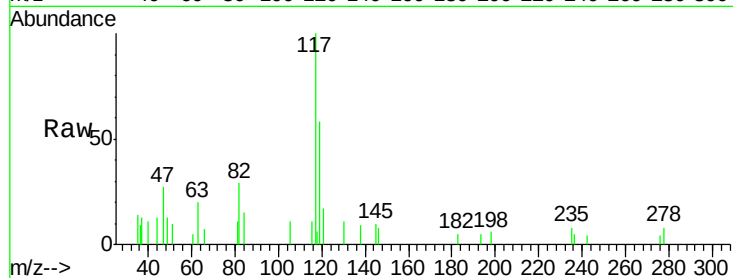
ClientSampleId :

LOQ-AIR-02-QT2-2021

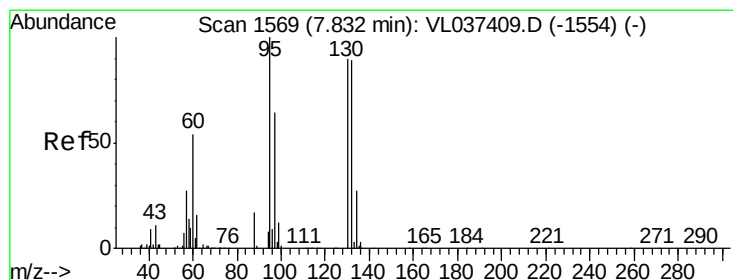
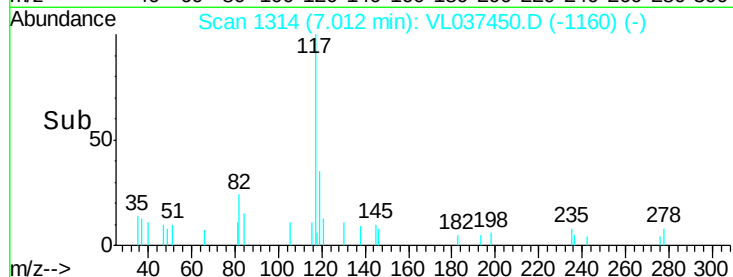
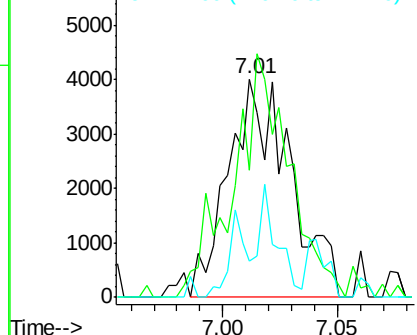
Tot Ion:	117	Resp:	7498
Ion Ratio	Lower	Upper	
117	100		
119	57.9	77.5	116.3#
121	16.7	24.7	37.1#

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#38

Trichloroethene

Concen: 0.042 ppbv m

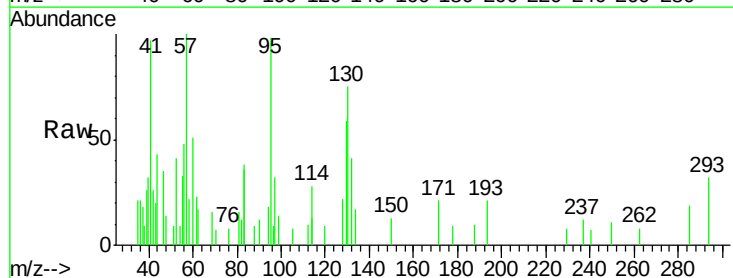
RT: 7.85 min Scan# 1574

Delta R.T. 0.02 min

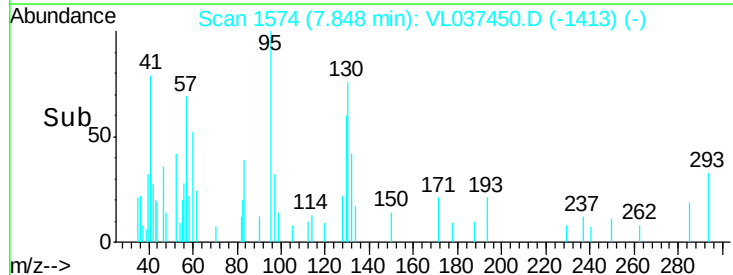
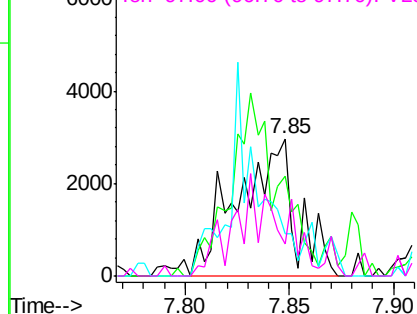
Lab File: VL037450.D

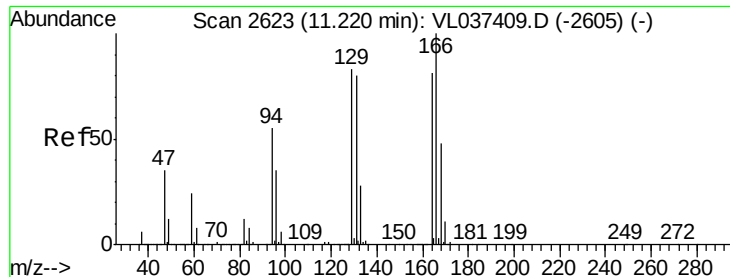
Acq: 13 Aug 2021 15:50

Tgt Ion:	130	Resp:	5708
Ion Ratio	Lower	Upper	
130	100		
95	131.3	88.6	132.8
132	55.2	79.2	118.8#
97	42.4	56.9	85.3#



Abundance Ion 130.00 (129.70 to 130.70): V
Ion 95.00 (94.70 to 95.70): VL0
Ion 132.00 (131.70 to 132.70): V
Ion 97.00 (96.70 to 97.70): VL0





#52

Tetrachloroethene

Concen: 0.042 ppbv m

RT: 11.22 min Scan# 2623

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion:164 Resp: 5414

Ion Ratio Lower Upper

164 100

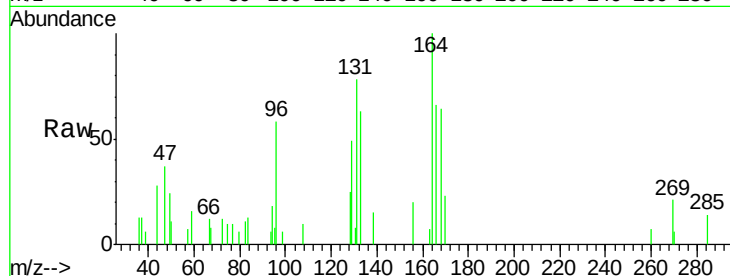
166 65.6 98.6 147.8#

129 48.8 82.0 123.0#

131 78.2 78.6 117.8#

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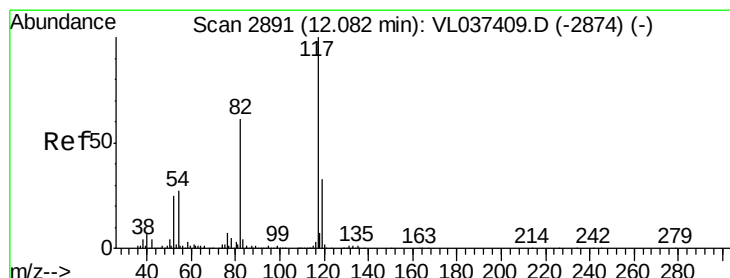
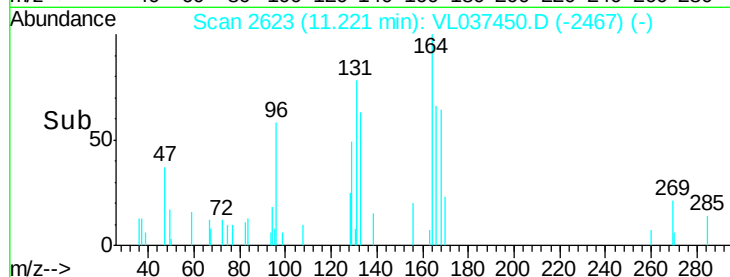
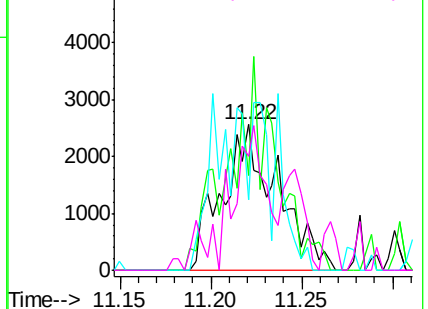


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.00 min

Lab File: VL037450.D

Acq: 13 Aug 2021 15:50

Tgt Ion:117 Resp: 3093906

Ion Ratio Lower Upper

117 100

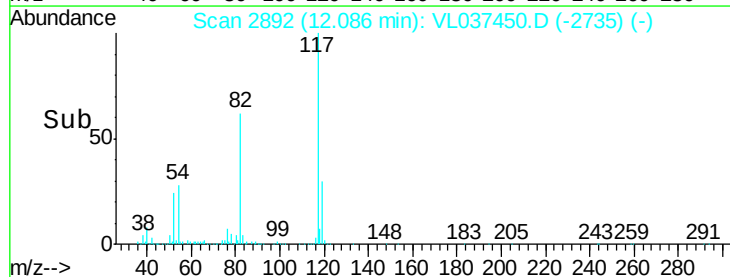
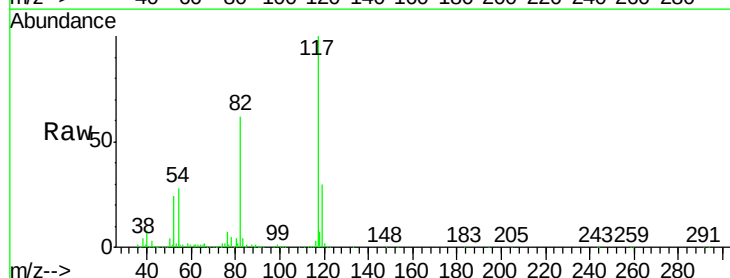
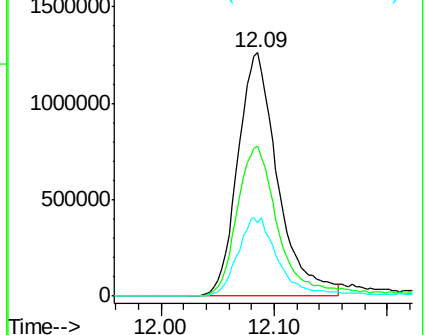
82 64.2 53.1 79.7

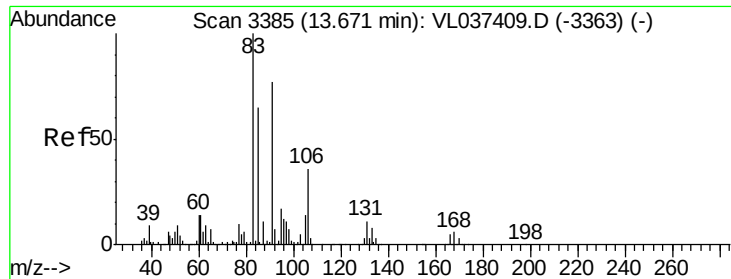
119 34.7 28.0 42.0

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





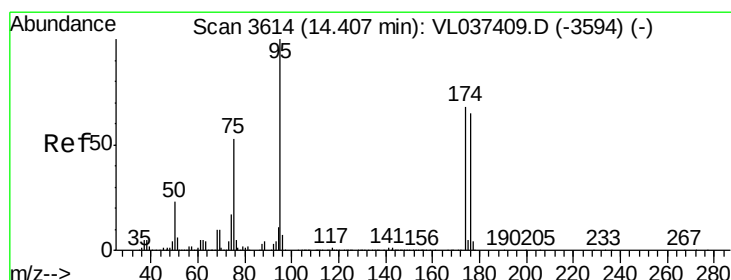
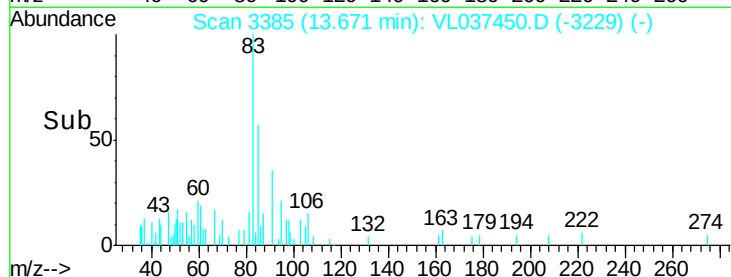
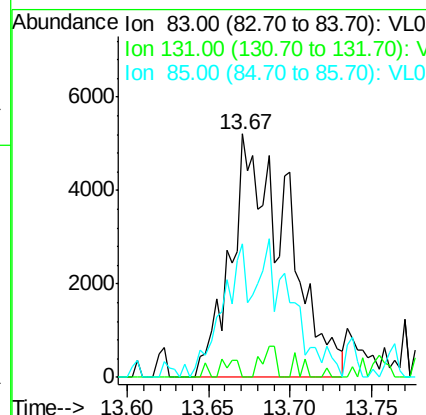
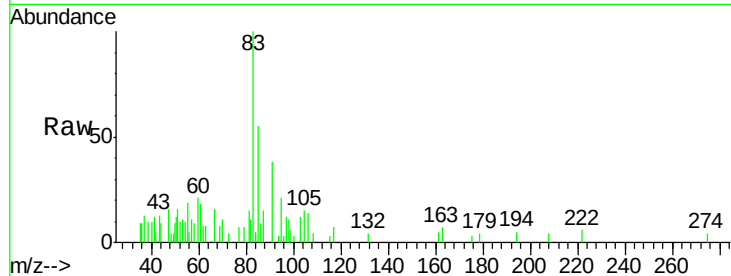
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.049 ppbv m
 RT: 13.67 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

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

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: 9.991 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. 0.01 min
 Lab File: VL037450.D
 Acq: 13 Aug 2021 15:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.1	59.6	89.4
175	5.8	4.3	6.5

