

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037449.D
 Acq On : 13 Aug 2021 15:13
 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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 8/16/2021 5:04:05 PM

Quant Time: Aug 16 02:50:24 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	1179045	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3693698	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3178380	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2326806	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	3299m	0.036	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	8322m	0.038	ppbv	
35) Carbon Tetrachloride	7.02	117	8107m	0.036	ppbv	
38) Trichloroethene	7.83	130	5030m	0.037	ppbv	
52) Tetrachloroethene	11.23	164	4601m	0.035	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.66	83	11518m	0.043	ppbv	

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

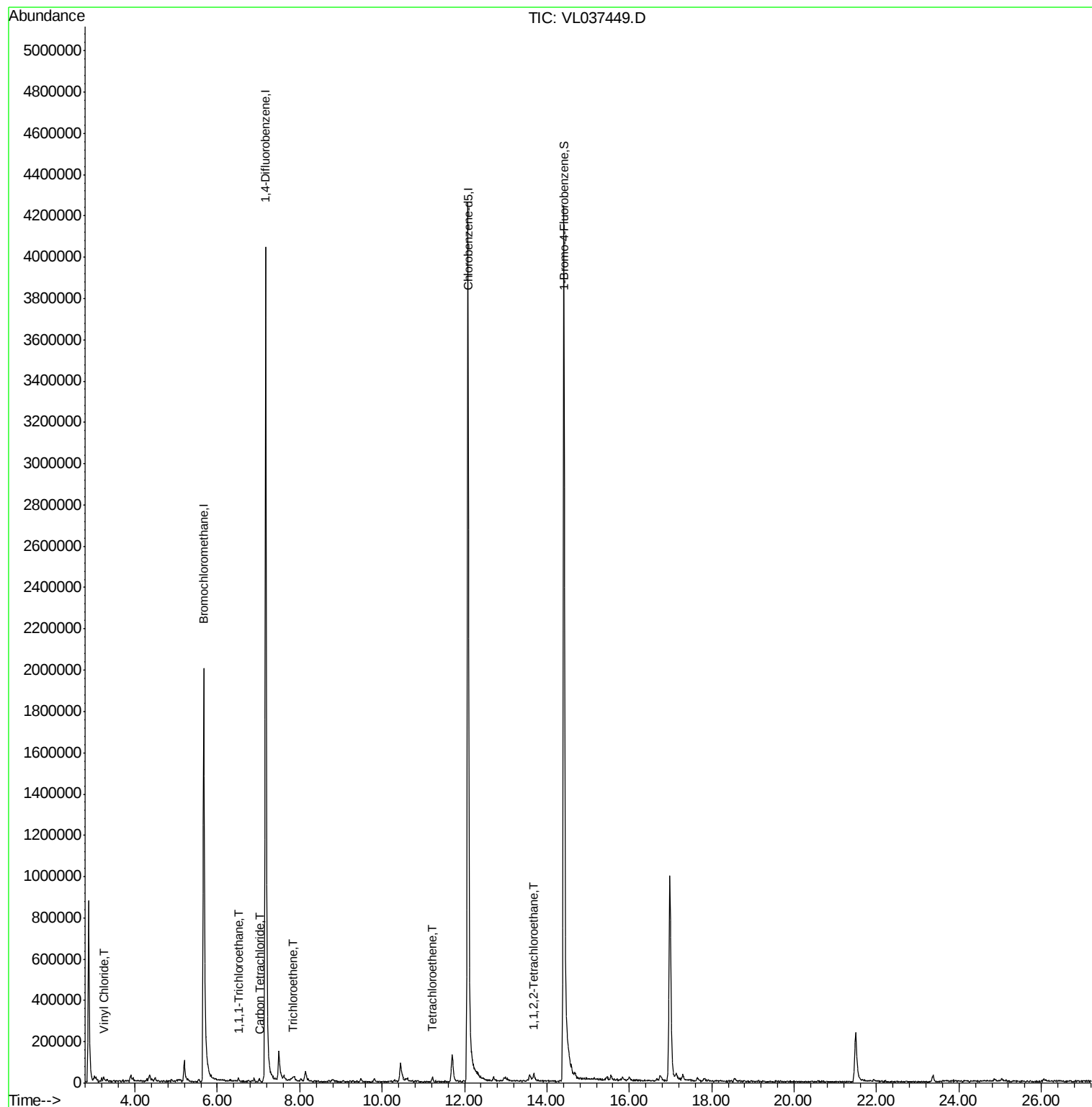
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081321\
Data File : VL037449.D
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Operator : SY/AP
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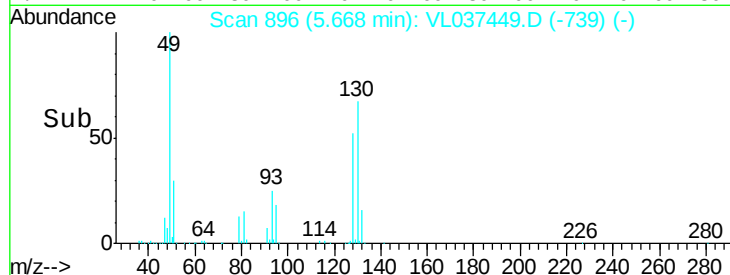
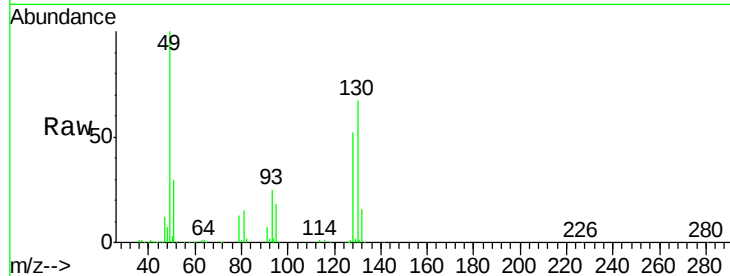
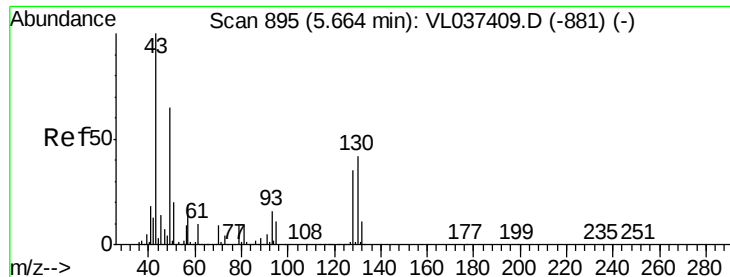
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

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Quant Time: Aug 16 02:50:24 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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: VL037449.D

Acq: 13 Aug 2021 15:13

Tot Ion: 49 Resp: 1179045

Ion Ratio Lower Upper

49 100

128 58.1 27.9 83.6

130 72.7 34.6 103.8

Instrument :

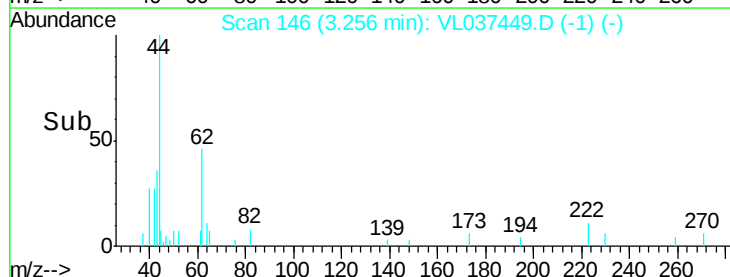
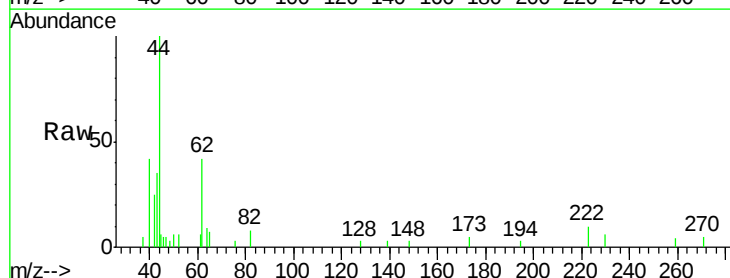
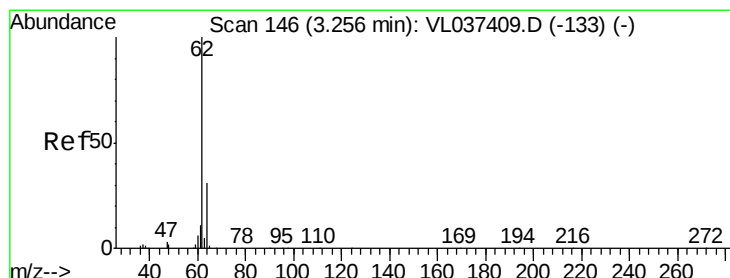
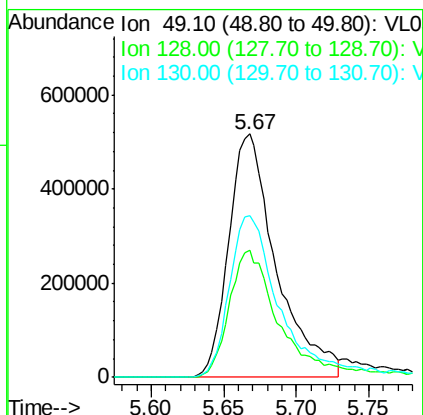
MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

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#5

Vinyl Chloride

Concen: 0.036 ppbv m

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL037449.D

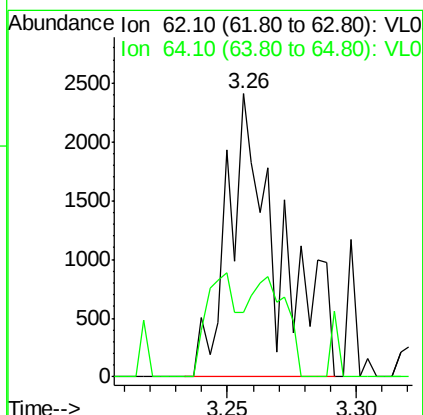
Acq: 13 Aug 2021 15:13

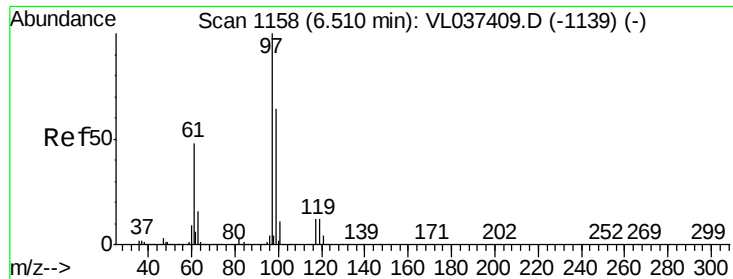
Tgt Ion: 62 Resp: 3299

Ion Ratio Lower Upper

62 100

64 22.7 25.0 37.6#





#32

1,1,1-Trichloroethane

Concen: 0.038 ppbv m

RT: 6.52 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

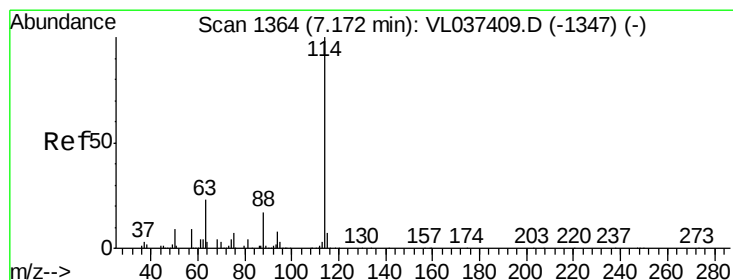
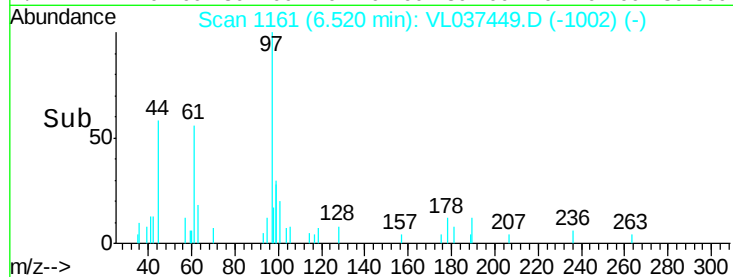
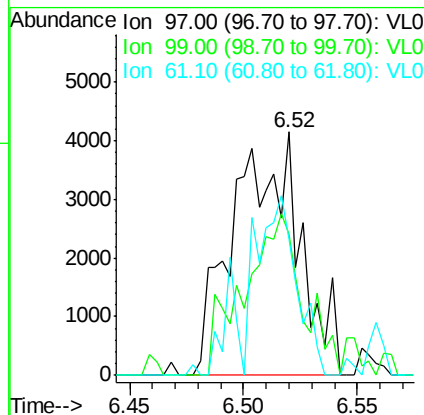
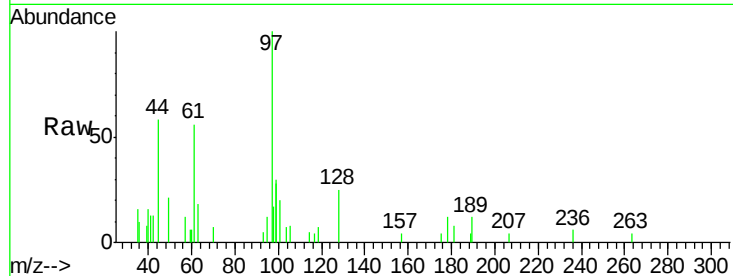
ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion:	97	Resp:	8322
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.3	78.5#
61	0.0	40.1	60.1#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

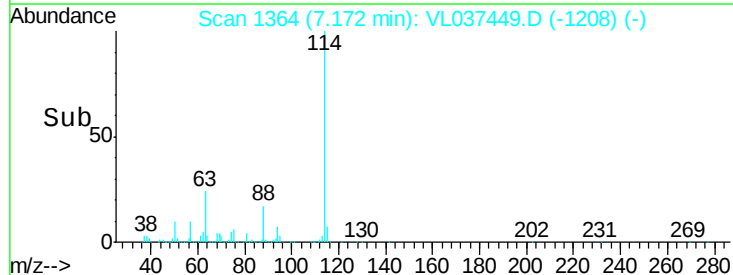
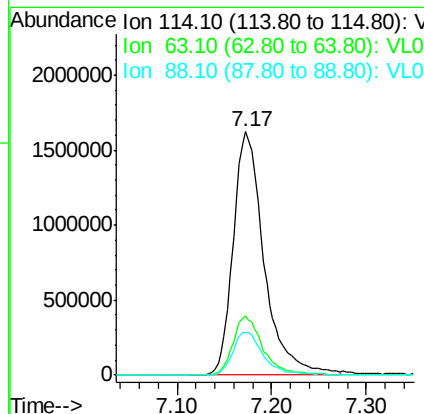
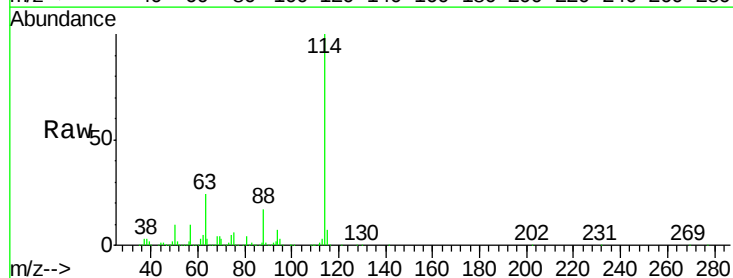
RT: 7.17 min Scan# 1364

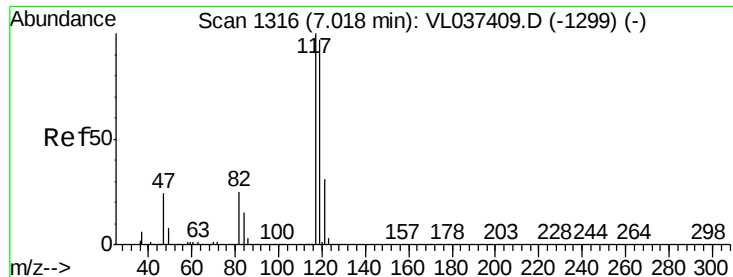
Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Tgt Ion:	114	Resp:	3693698
Ion Ratio	Lower	Upper	
114	100		
63	24.0	19.4	29.2
88	17.9	14.2	21.4





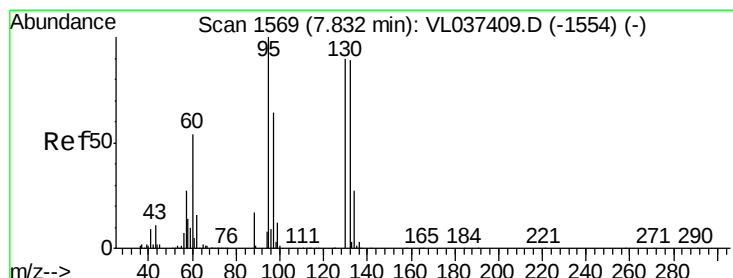
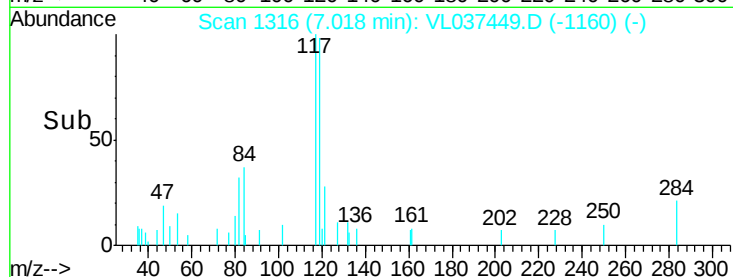
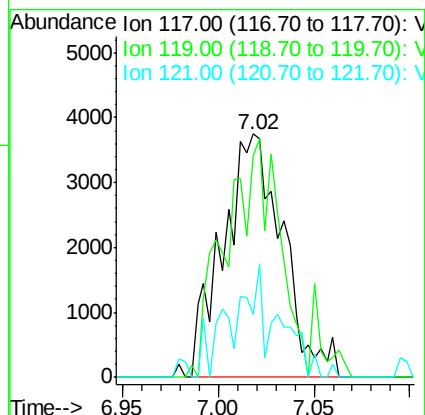
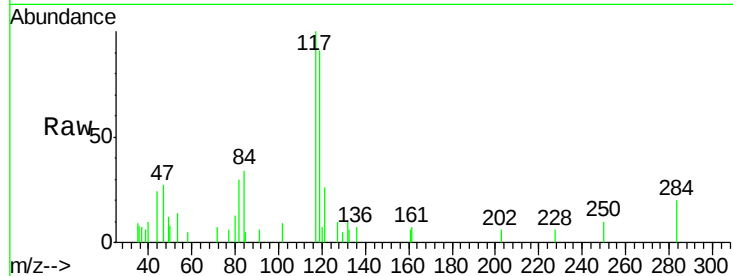
#35
Carbon Tetrachloride
Concen: 0.036 ppbv m
RT: 7.02 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VL037449.D
Acq: 13 Aug 2021 15:13

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

Tot Ion	Ratio	Lower	Upper
117	100		
119	90.9	77.5	116.3
121	26.1	24.7	37.1

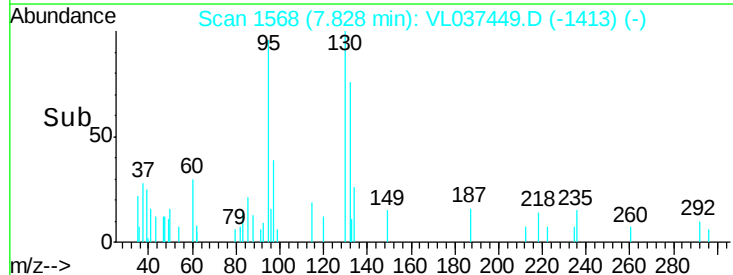
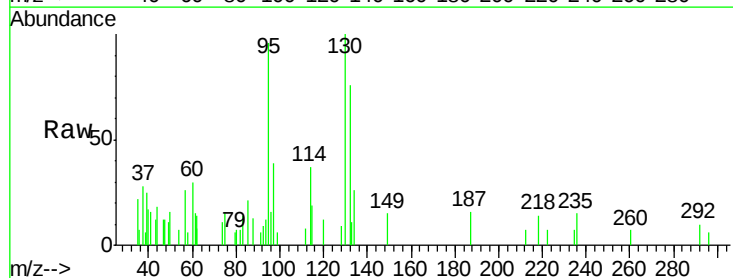
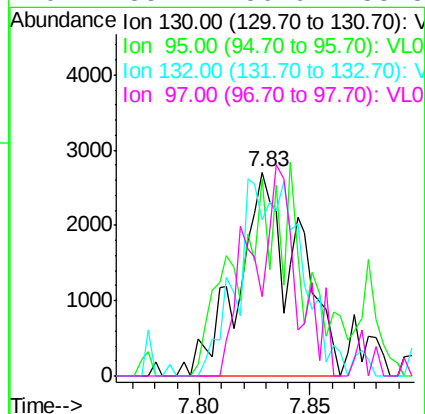
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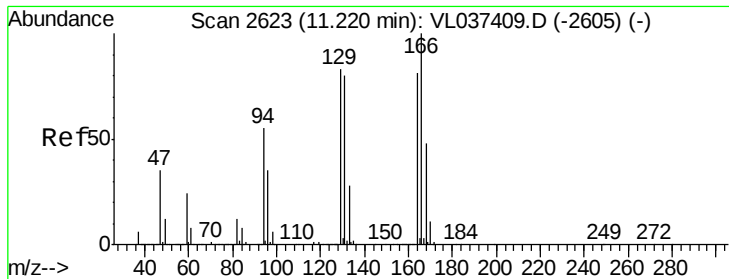
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#38
Trichloroethene
Concen: 0.037 ppbv m
RT: 7.83 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL037449.D
Acq: 13 Aug 2021 15:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	88.6	132.8
132	76.2	79.2	118.8#
97	38.7	56.9	85.3#





#52

Tetrachloroethene

Concen: 0.035 ppbv m

RT: 11.23 min Scan# 2627

Delta R.T. 0.01 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion:164 Resp: 4601

Ion Ratio Lower Upper

164 100

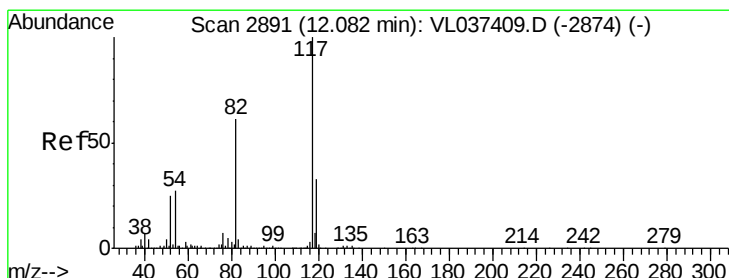
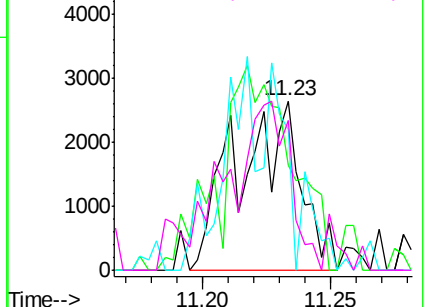
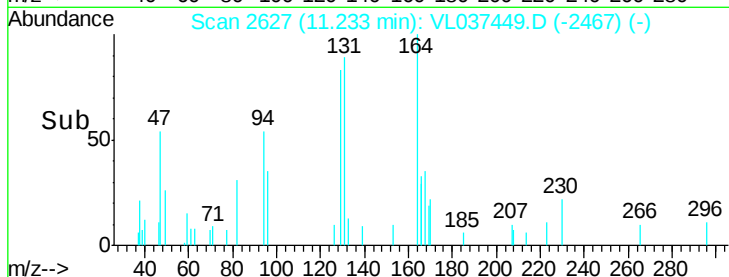
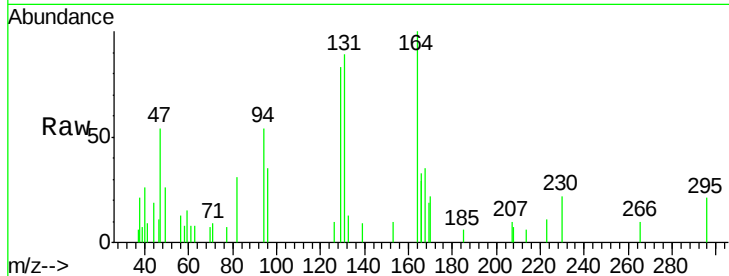
166 33.0 98.6 147.8#

129 83.5 82.0 123.0

131 88.8 78.6 117.8

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

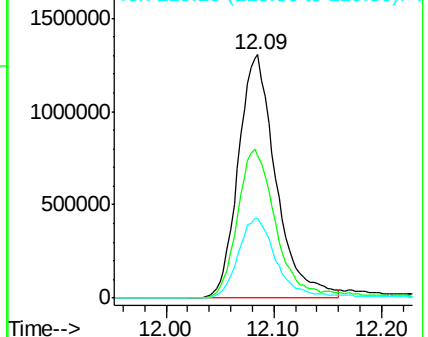
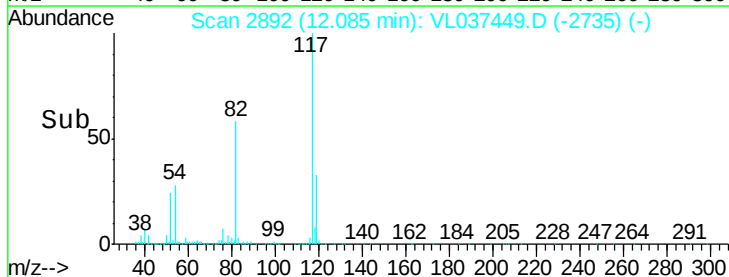
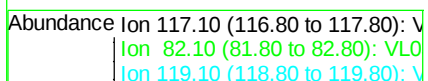
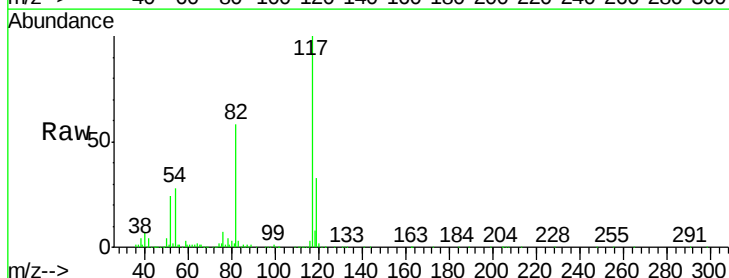
Tgt Ion:117 Resp: 3178380

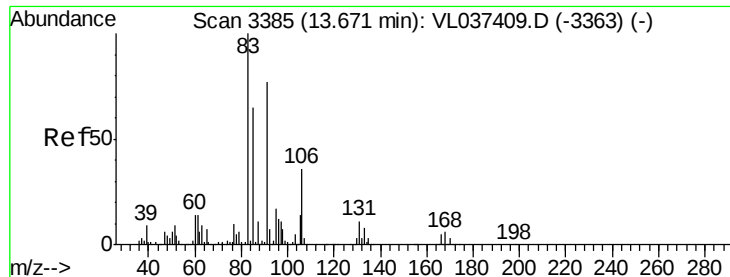
Ion Ratio Lower Upper

117 100

82 64.0 53.1 79.7

119 33.7 28.0 42.0





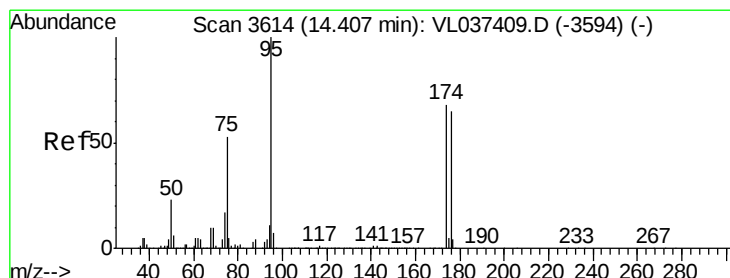
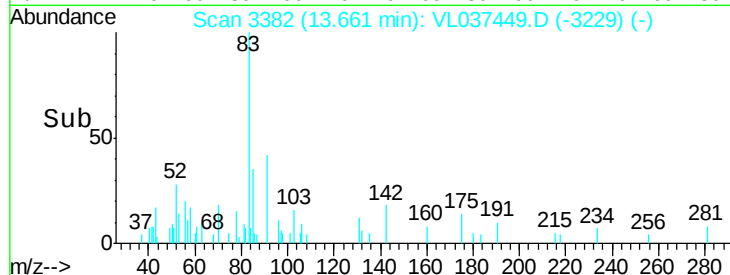
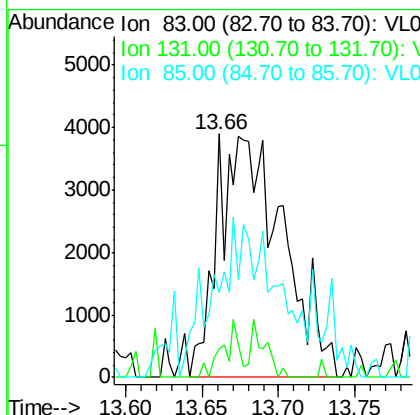
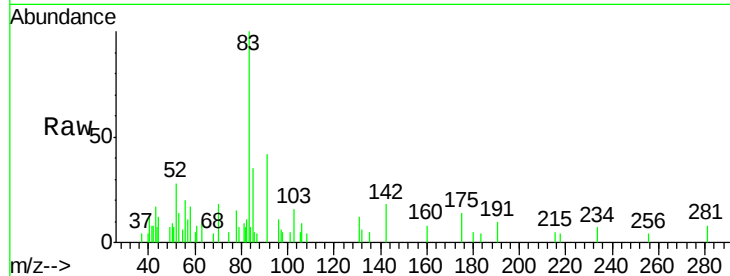
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.043 ppbv m
 RT: 13.66 min Scan# 3382
 Delta R.T. -0.01 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

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

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.1	15.4
85	78.6	33.4	100.2

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.205 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. 0.01 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.3	59.6	89.4
175	5.1	4.3	6.5

