

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030221\
 Data File : VL036430.D
 Acq On : 2 Mar 2021 15:26
 Operator : SY/AP
 Sample : M1458-15 0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/3/2021 1:52:37 PM

Quant Time: Mar 03 04:02:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1582693	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3422822	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3135876	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2444720	9.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.24	62	3885m	0.044	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	10139m	0.044	ppbv	
35) Carbon Tetrachloride	7.00	117	8271m	0.036	ppbv	
38) Trichloroethene	7.83	130	4321m	0.041	ppbv	
52) Tetrachloroethene	11.20	164	3980m	0.037	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	12469m	0.044	ppbv	

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

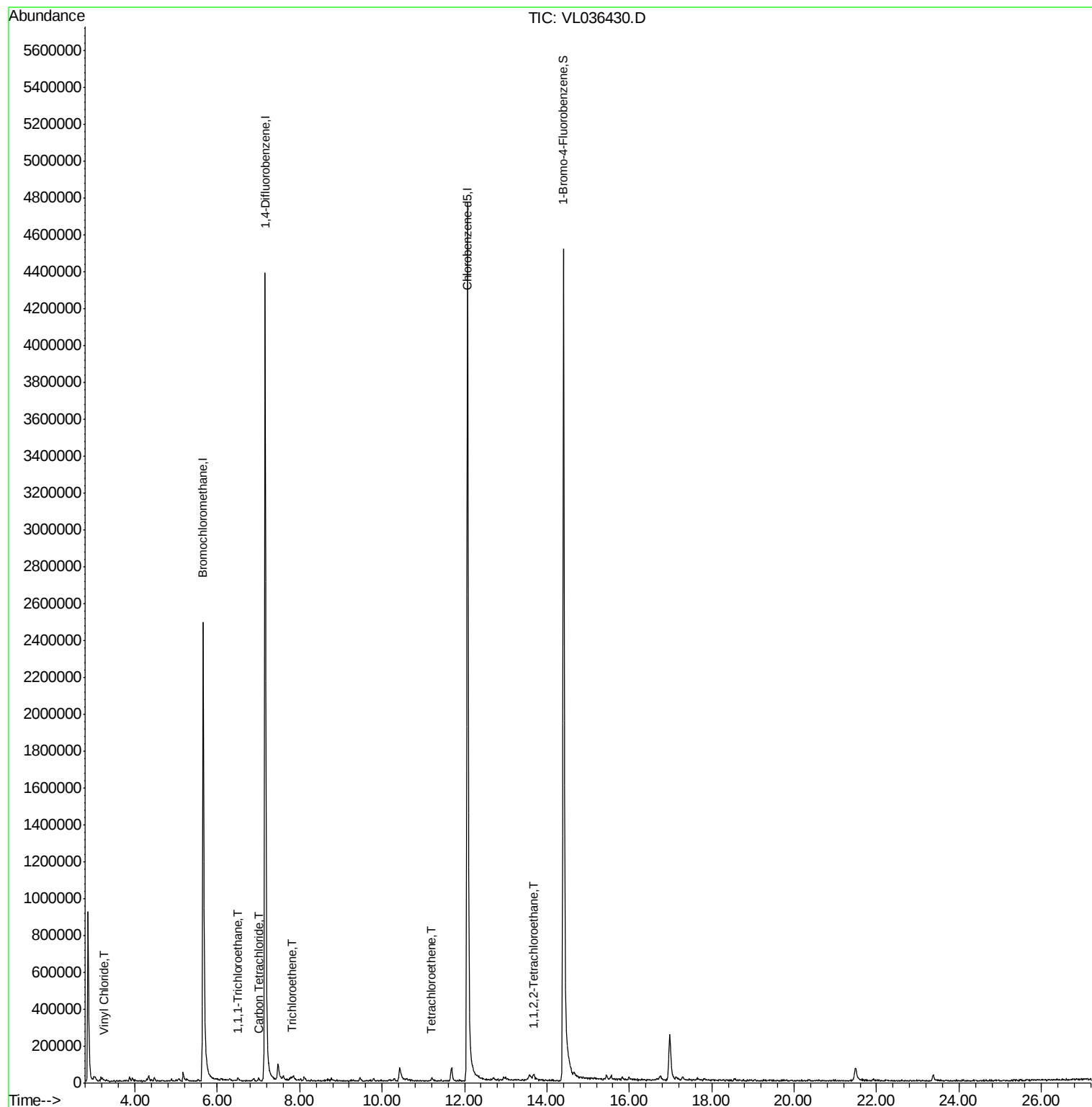
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030221\
Data File : VL036430.D
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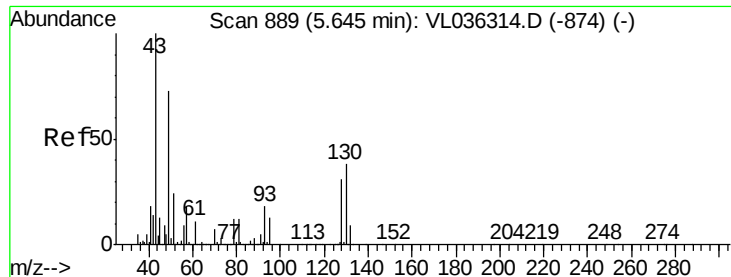
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QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL036430.D

Acq: 2 Mar 2021 15:26

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion: 49 Resp: 1582693

Ion Ratio Lower Upper

49 100

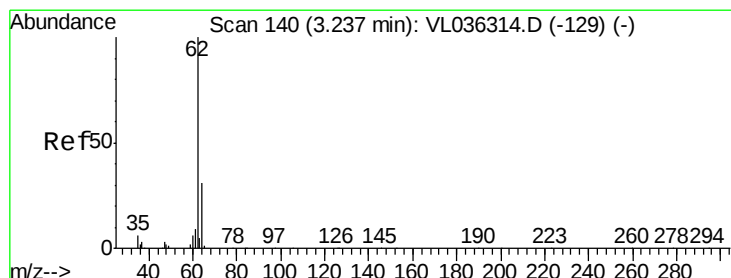
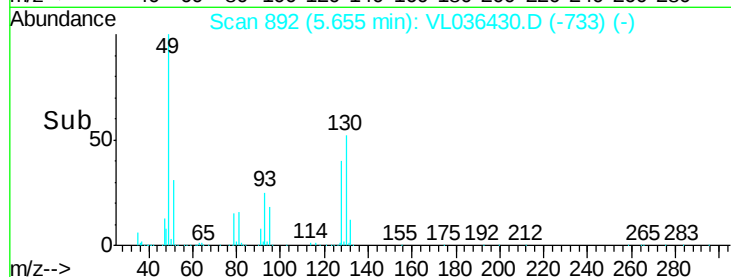
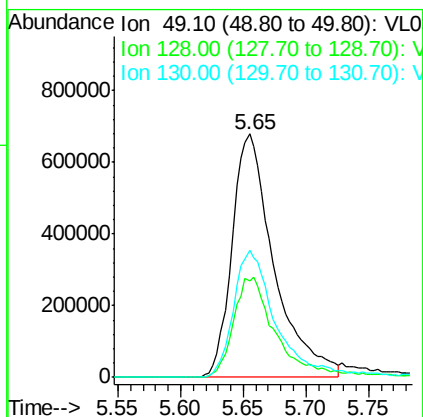
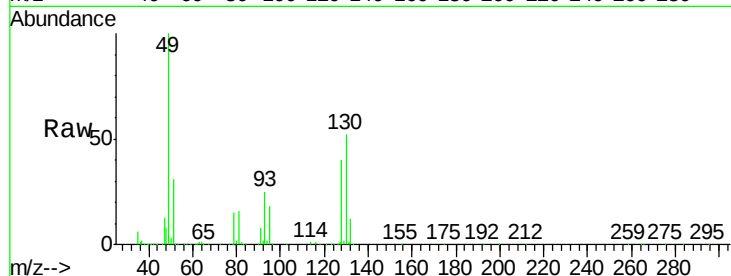
128 43.0 20.8 62.5

130 54.4 26.7 80.1

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#5

Vinyl Chloride

Concen: 0.044 ppbv m

RT: 3.24 min Scan# 142

Delta R.T. 0.01 min

Lab File: VL036430.D

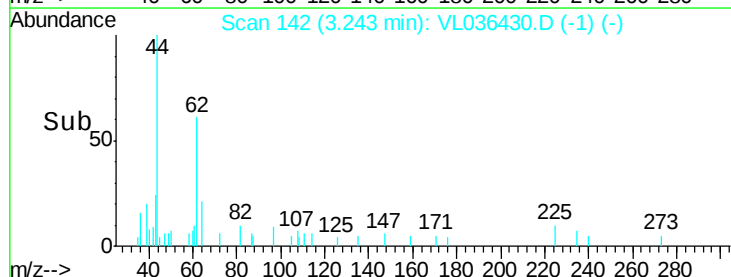
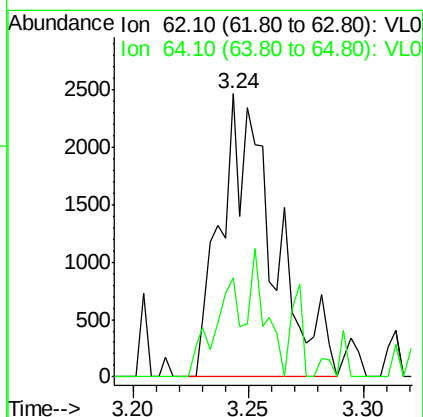
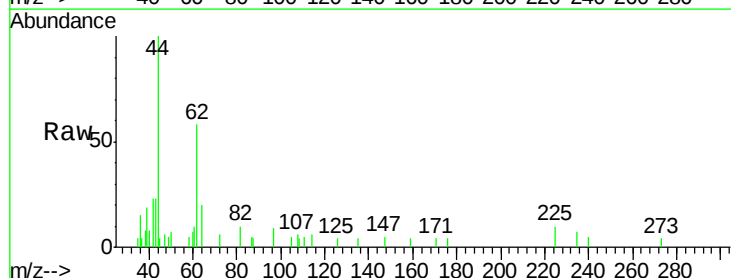
Acq: 2 Mar 2021 15:26

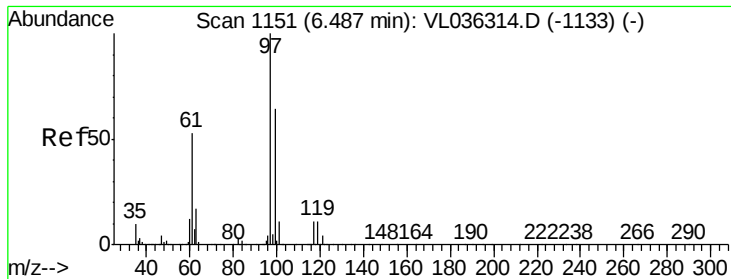
Tgt Ion: 62 Resp: 3885

Ion Ratio Lower Upper

62 100

64 35.0 24.4 36.6





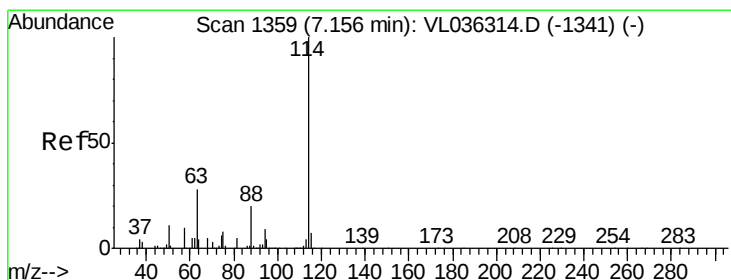
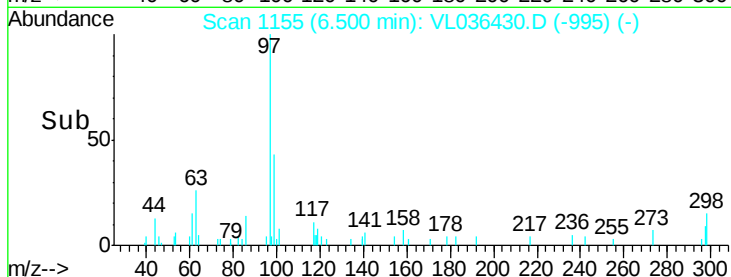
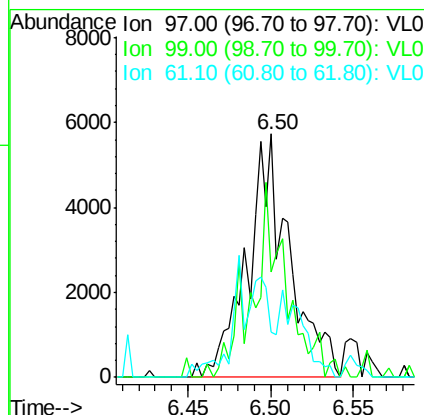
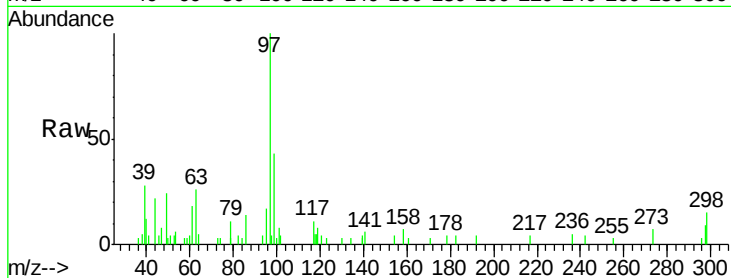
#32
 1,1,1-Trichloroethane
 Concen: 0.044 ppbv m
 RT: 6.50 min Scan# 1155
 Delta R.T. 0.01 min
 Lab File: VL036430.D
 Acq: 2 Mar 2021 15:26

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

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.2	78.4
61	0.0	43.3	64.9#

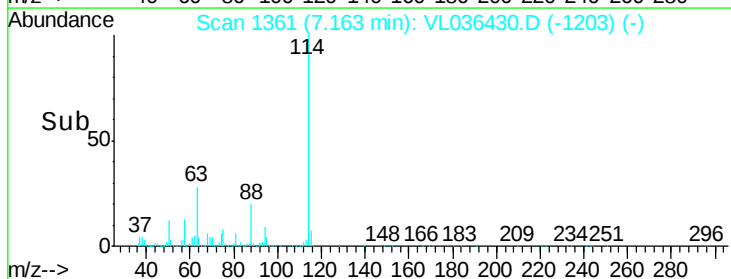
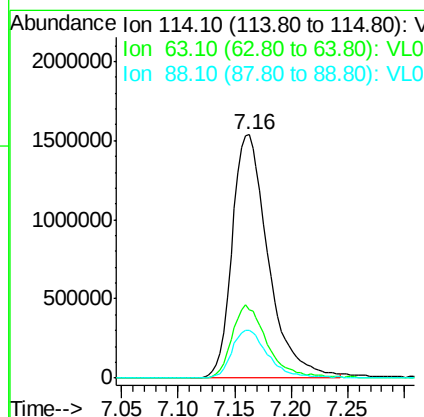
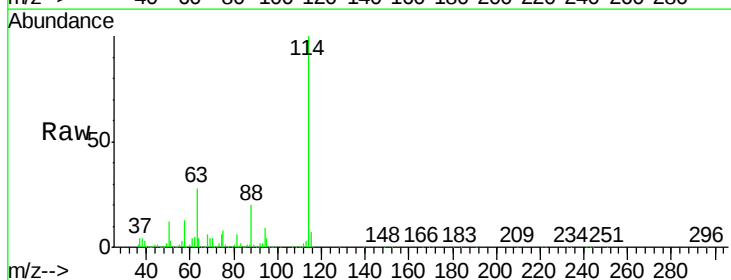
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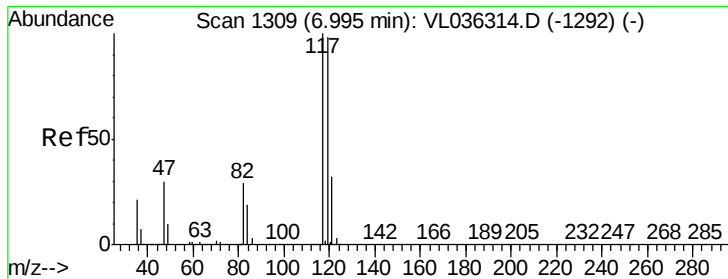
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VL036430.D
 Acq: 2 Mar 2021 15:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.6	24.1	36.1
88	20.1	16.0	24.0





#35

Carbon Tetrachloride

Concen: 0.036 ppbv m

RT: 7.00 min Scan# 1309

Delta R.T. 0.00 min

Lab File: VL036430.D

Acq: 2 Mar 2021 15:26

Instrument :

MSVOA_L

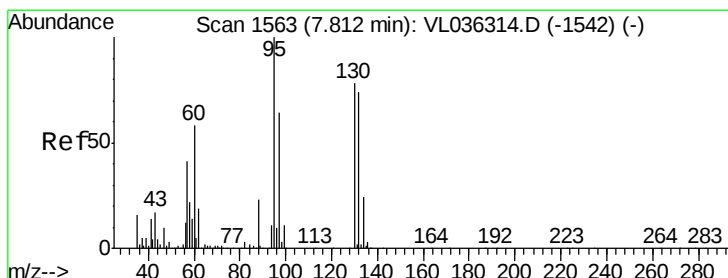
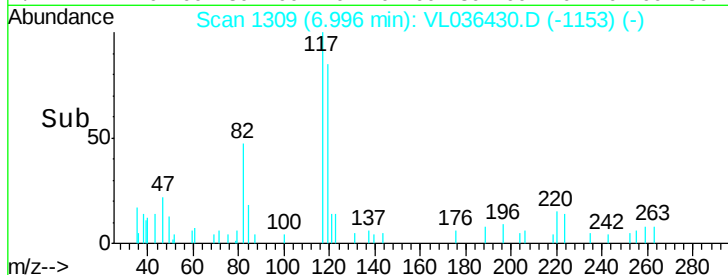
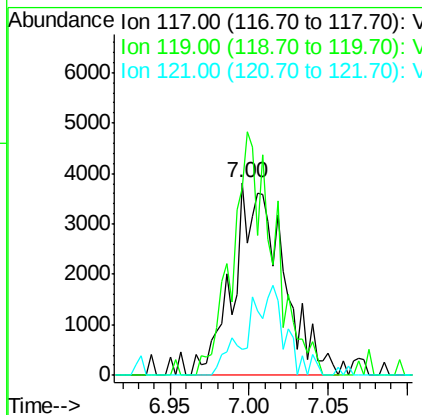
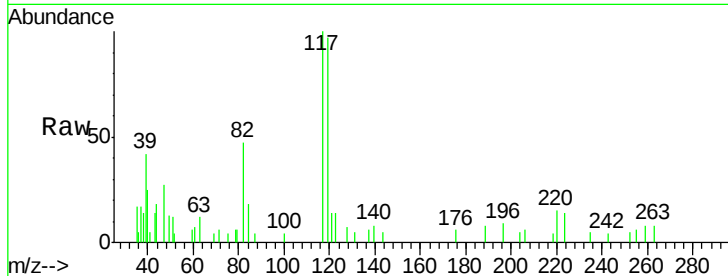
ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:	117	Resp:	8271
Ion Ratio	Lower	Upper	
117	100		
119	97.0	78.1	117.1
121	13.8	25.8	38.8#

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#38

Trichloroethene

Concen: 0.041 ppbv m

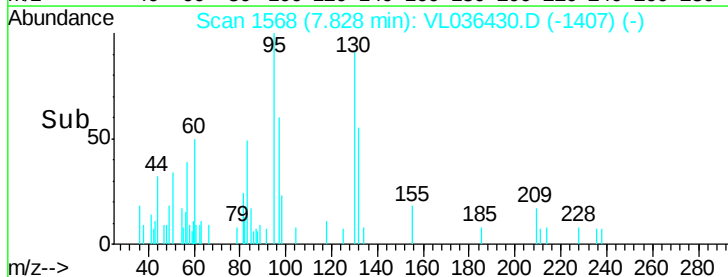
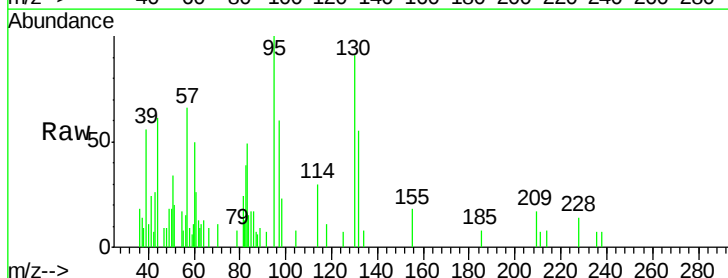
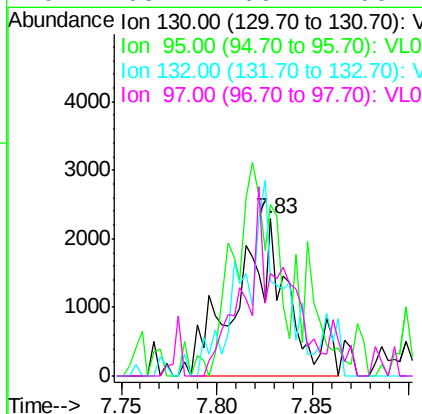
RT: 7.83 min Scan# 1568

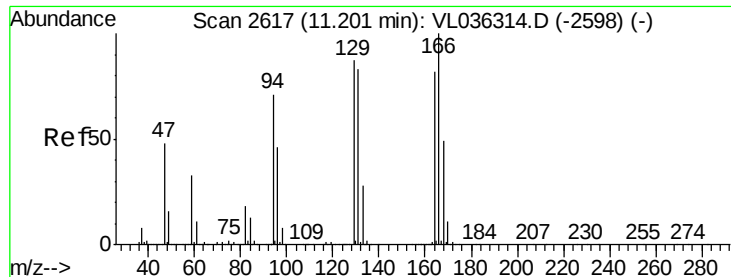
Delta R.T. 0.02 min

Lab File: VL036430.D

Acq: 2 Mar 2021 15:26

Tgt Ion:	130	Resp:	4321
Ion Ratio	Lower	Upper	
130	100		
95	109.4	102.8	154.2
132	60.3	75.7	113.5#
97	65.4	66.2	99.2#





#52

Tetrachloroethene

Concen: 0.037 ppbv m

RT: 11.20 min Scan# 2616

Delta R.T. -0.00 min

Lab File: VL036430.D

Acq: 2 Mar 2021 15:26

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:164 Resp: 3980

Ion Ratio Lower Upper

164 100

166 201.7 97.8 146.8#

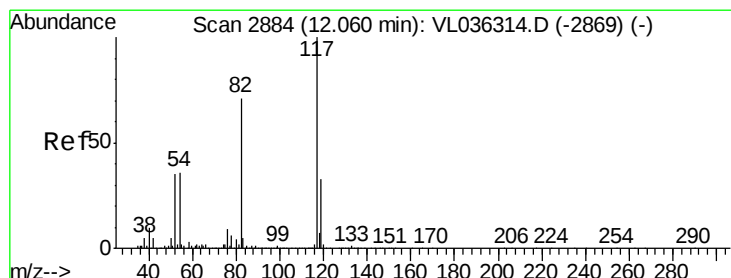
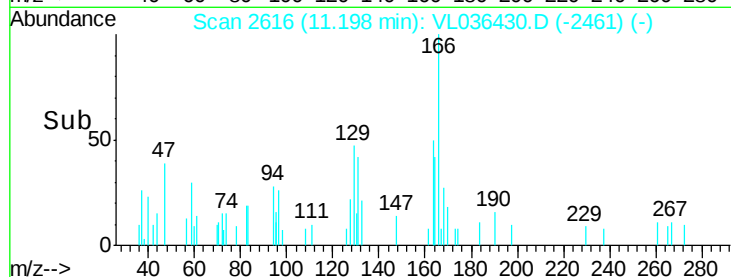
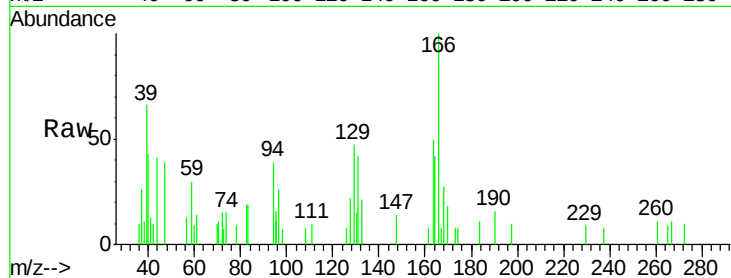
129 93.9 84.9 127.3

131 83.7 81.4 122.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. 0.02 min

Lab File: VL036430.D

Acq: 2 Mar 2021 15:26

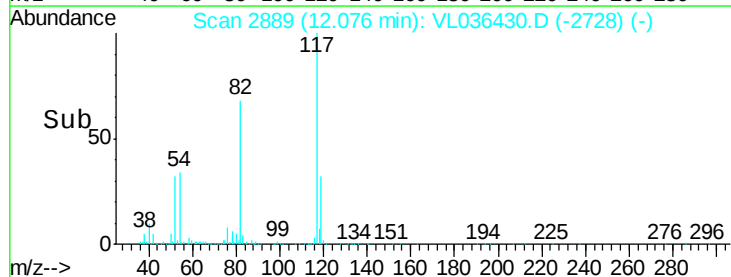
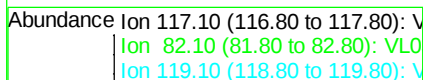
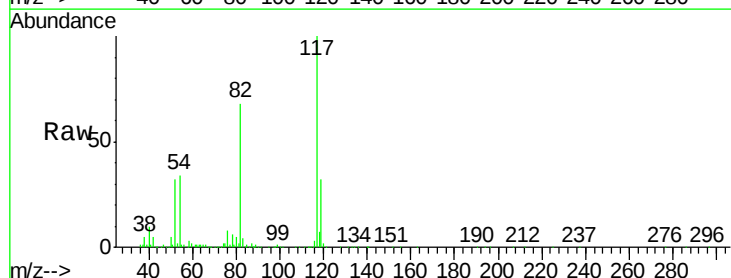
Tgt Ion:117 Resp: 3135876

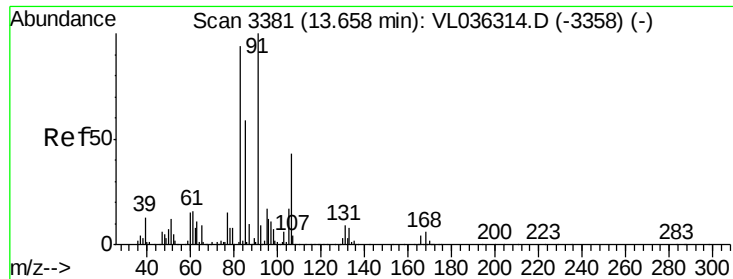
Ion Ratio Lower Upper

117 100

82 72.8 59.1 88.7

119 33.4 46.3 69.5#





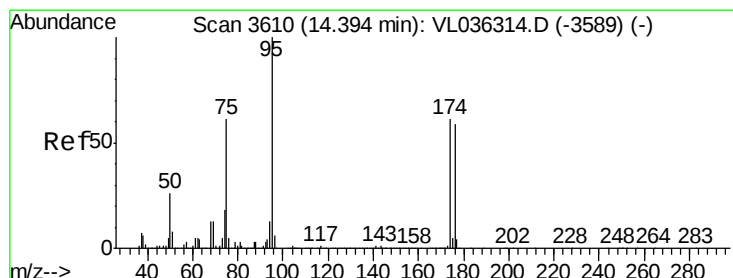
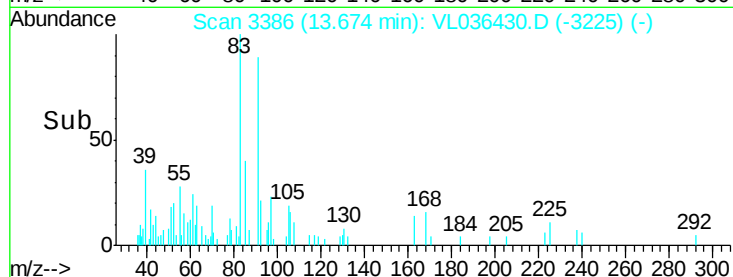
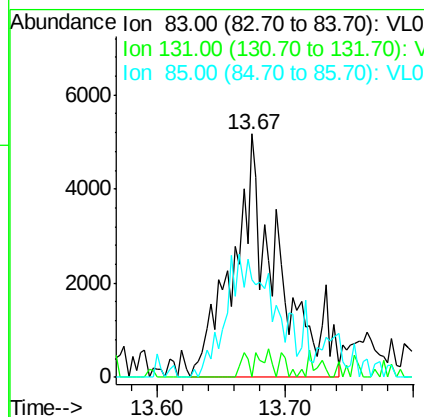
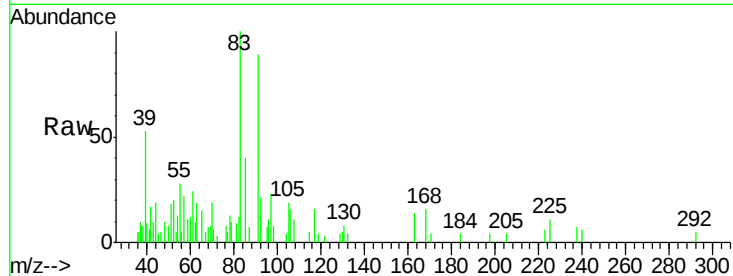
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.044 ppbv m
 RT: 13.67 min Scan# 3386
 Delta R.T. 0.02 min
 Lab File: VL036430.D
 Acq: 2 Mar 2021 15:26

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

Tot Ion	83	Resp	12469
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.7	14.0#
85	70.5	33.0	98.9

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.475 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. 0.01 min
 Lab File: VL036430.D
 Acq: 2 Mar 2021 15:26

Tgt Ion	95	Resp	2444720
Ion Ratio	Lower	Upper	
95	100		
174	64.6	49.8	74.6
175	4.7	3.7	5.5

