

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030221\
 Data File : VL036429.D
 Acq On : 2 Mar 2021 14:50
 Operator : SY/AP
 Sample : M1458-15 0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
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 3/3/2021 1:52:35 PM

Quant Time: Mar 03 04:01:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 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	1598195	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3450098	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3090541	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2494660	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	10636m	0.119	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	24280	0.104	ppbv	95
35) Carbon Tetrachloride	7.01	117	26628m	0.115	ppbv	
38) Trichloroethene	7.82	130	10378	0.099	ppbv #	76
63) 1,1,2,2-Tetrachloroethane	13.67	83	30858m	0.110	ppbv	

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

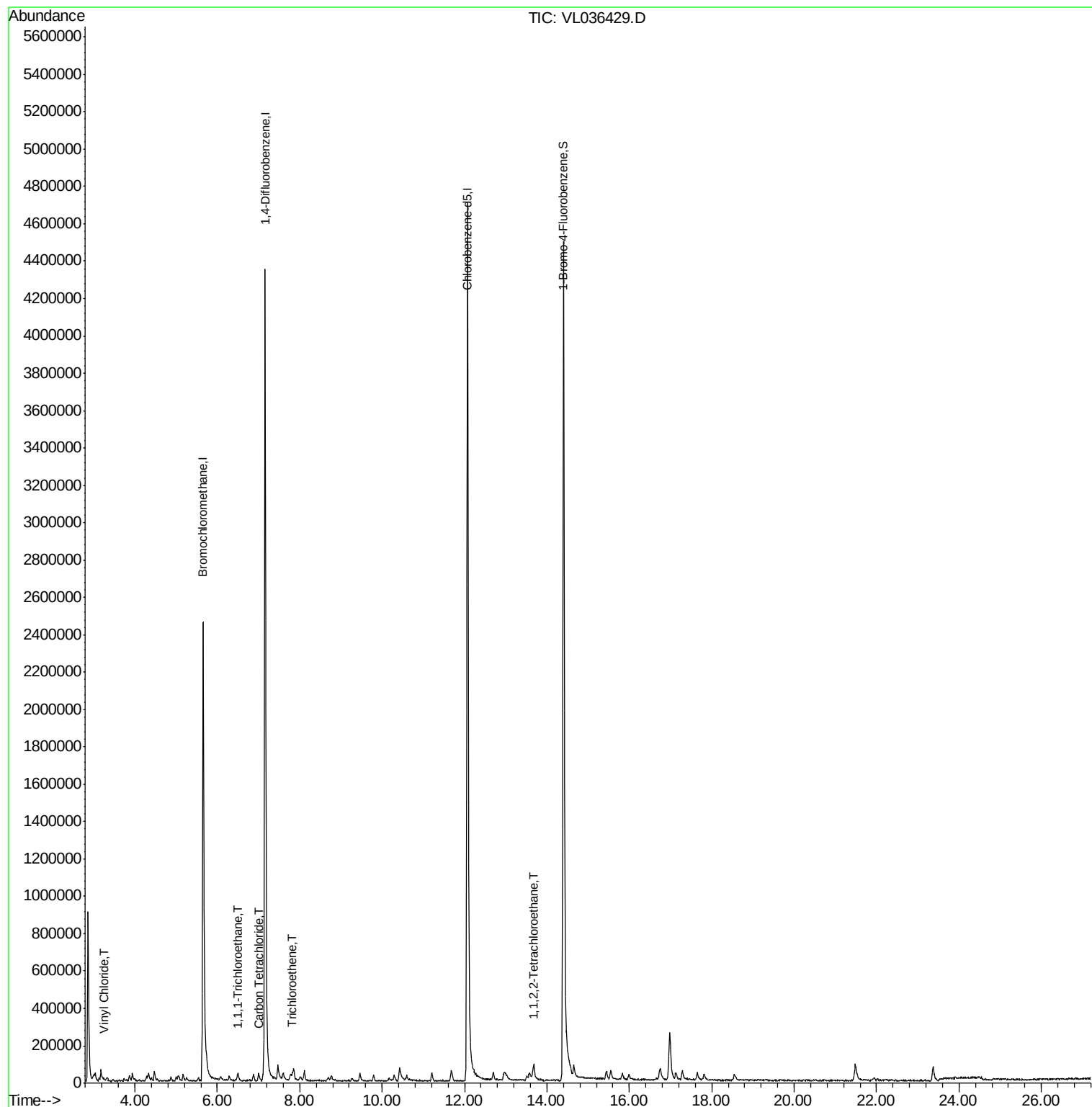
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030221\
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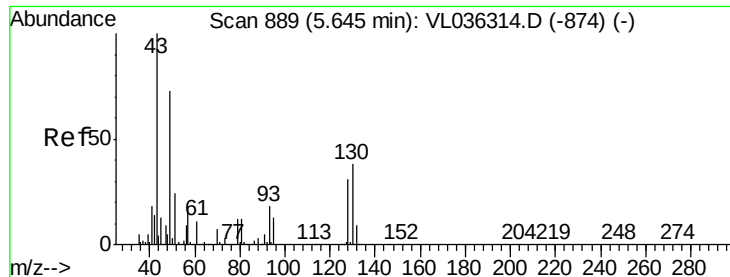
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QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.01 min

Lab File: VL036429.D

Acq: 2 Mar 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion: 49 Resp: 1598195

Ion Ratio Lower Upper

49 100

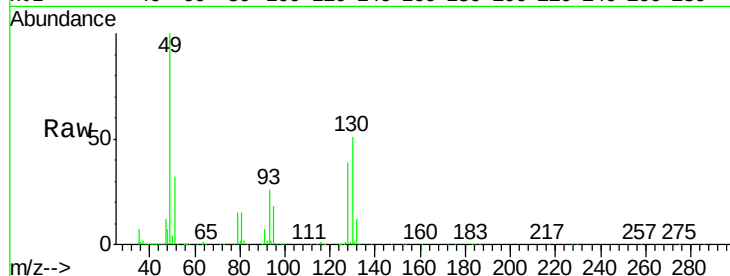
128 42.5 20.8 62.5

130 53.3 26.7 80.1

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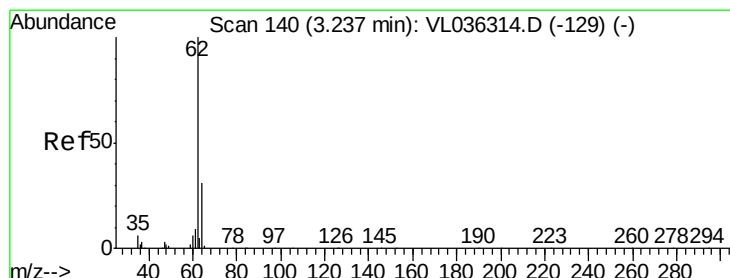
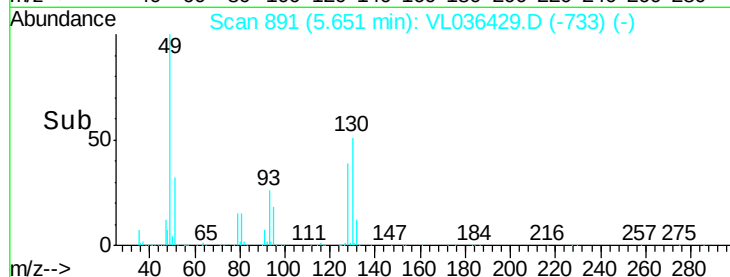
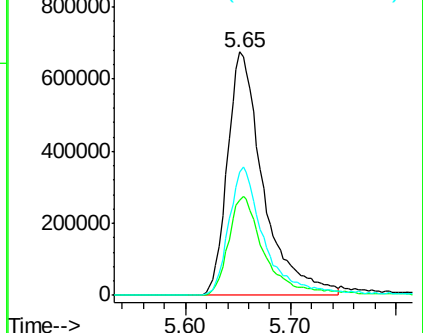
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.119 ppbv m

RT: 3.26 min Scan# 146

Delta R.T. 0.02 min

Lab File: VL036429.D

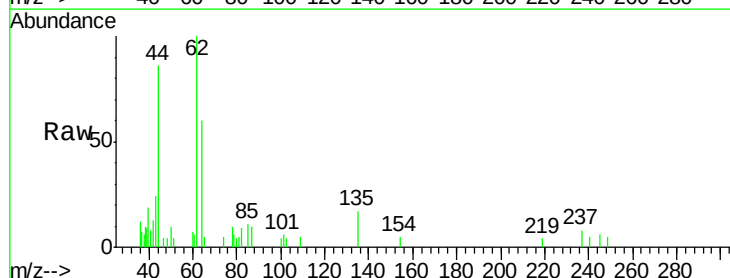
Acq: 2 Mar 2021 14:50

Tgt Ion: 62 Resp: 10636

Ion Ratio Lower Upper

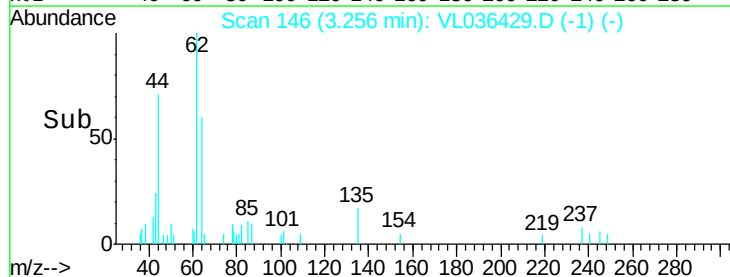
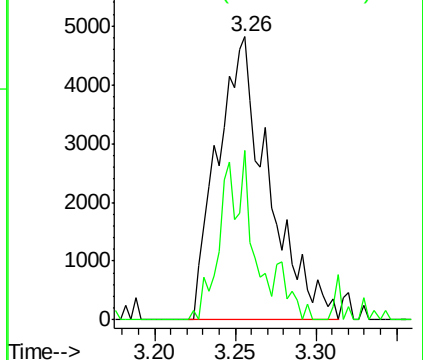
62 100

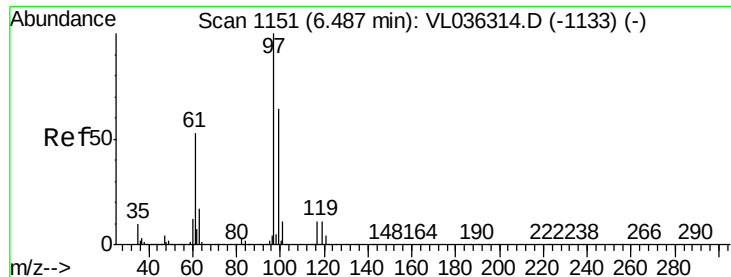
64 60.0 24.4 36.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





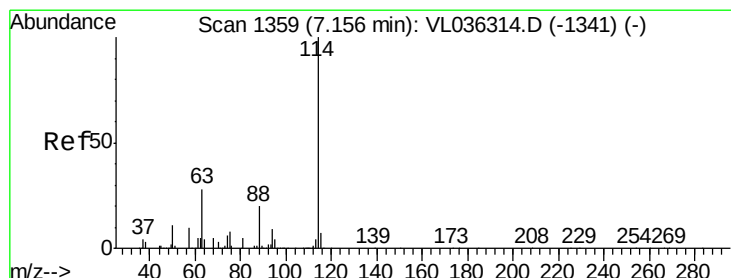
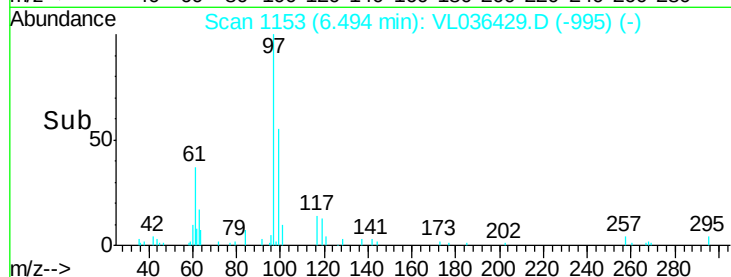
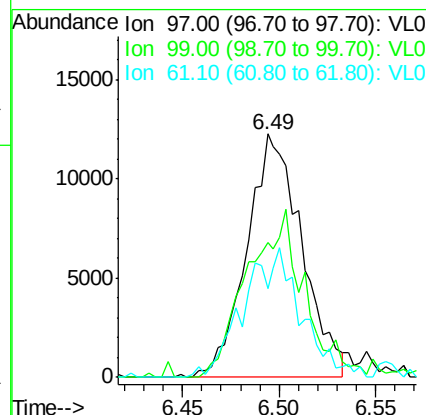
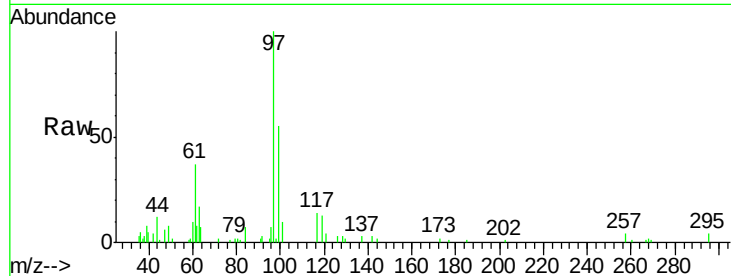
#32
 1,1,1-Trichloroethane
 Concen: 0.104 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: VL036429.D
 Acq: 2 Mar 2021 14:50

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

Tot Ion	Ratio	Lower	Upper
97	100		
99	71.6	52.2	78.4
61	55.7	43.3	64.9

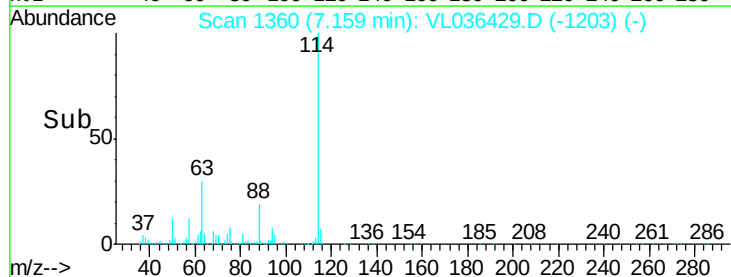
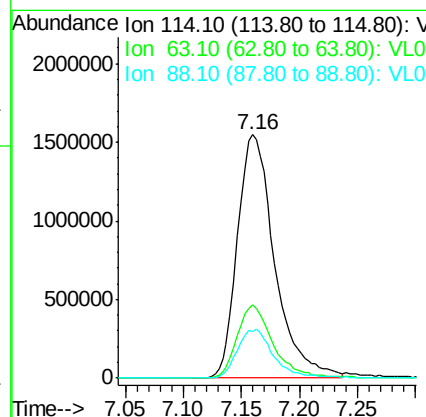
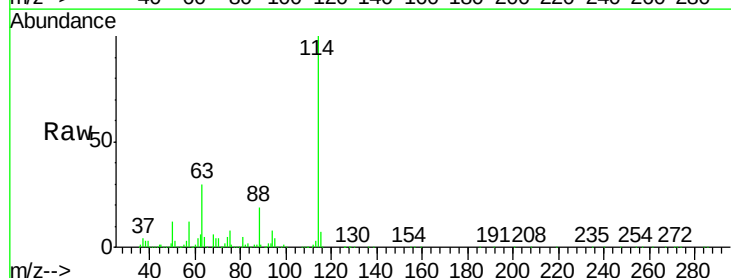
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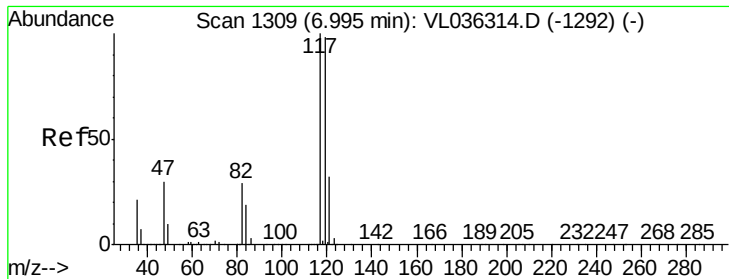
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL036429.D
 Acq: 2 Mar 2021 14:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.5	24.1	36.1
88	19.7	16.0	24.0





#35

Carbon Tetrachloride

Concen: 0.115 ppbv m

RT: 7.01 min Scan# 1313

Delta R.T. 0.01 min

Lab File: VL036429.D

Acq: 2 Mar 2021 14:50

Instrument :

MSVOA_L

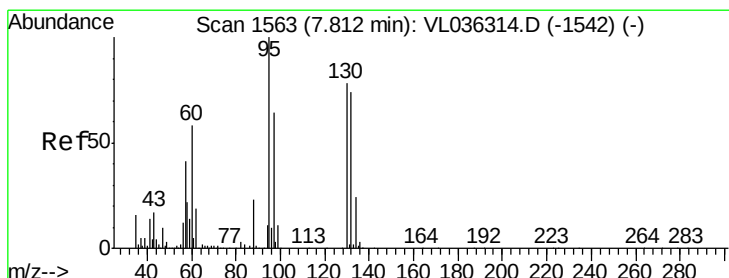
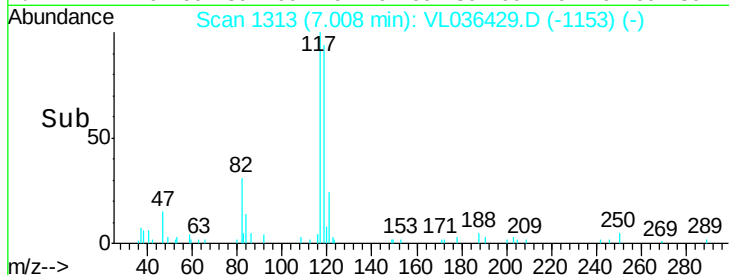
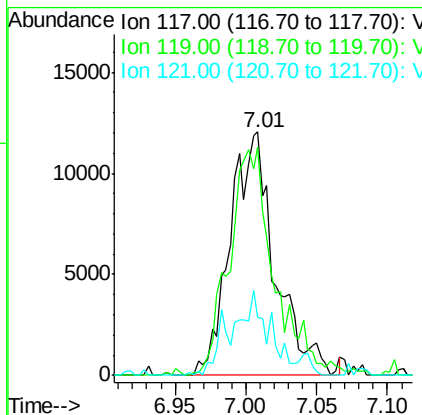
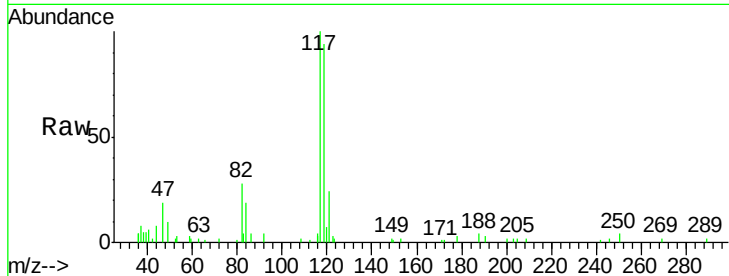
ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:	117	Resp:	26628
Ion Ratio	Lower	Upper	
117	100		
119	93.8	78.1	117.1
121	23.9	25.8	38.8#

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#38

Trichloroethene

Concen: 0.099 ppbv

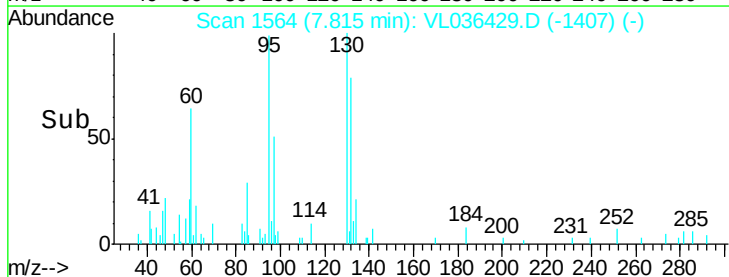
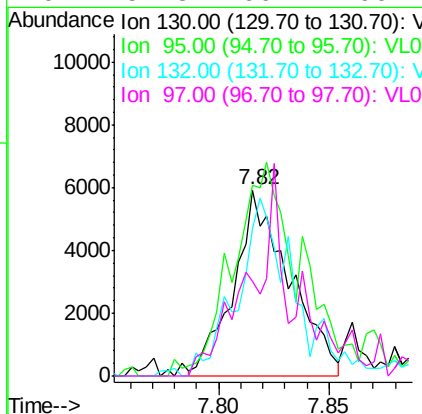
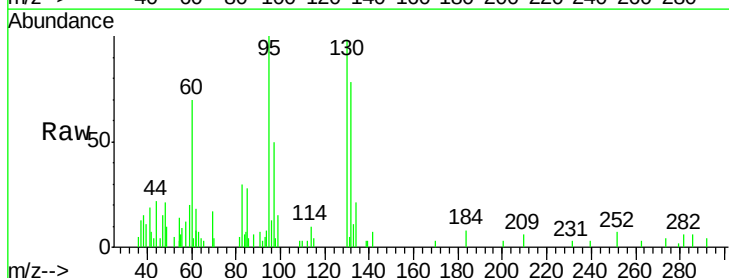
RT: 7.82 min Scan# 1564

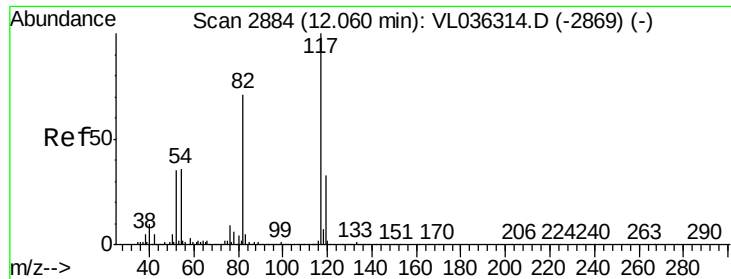
Delta R.T. 0.00 min

Lab File: VL036429.D

Acq: 2 Mar 2021 14:50

Tgt Ion:	130	Resp:	10378
Ion Ratio	Lower	Upper	
130	100		
95	99.2	102.8	154.2#
132	81.4	75.7	113.5
97	52.3	66.2	99.2#





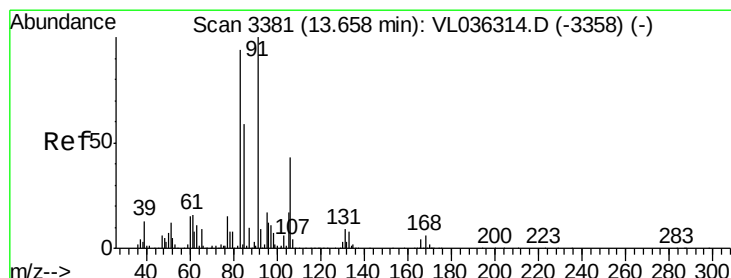
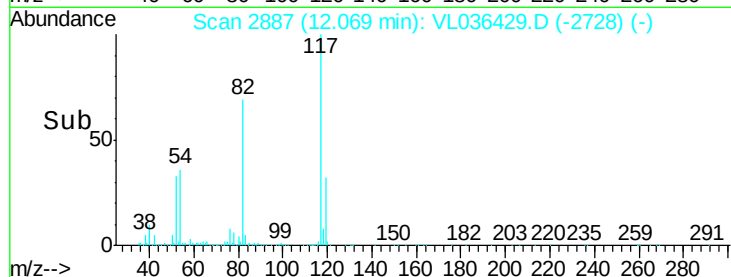
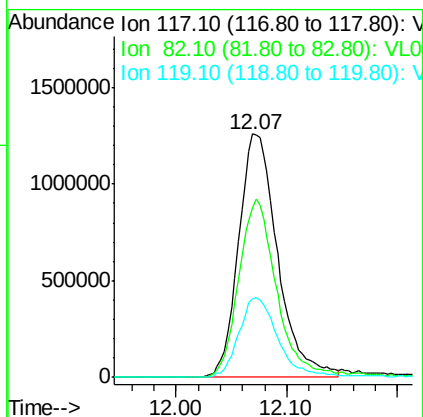
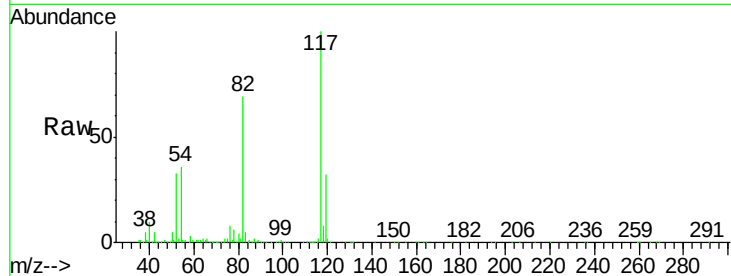
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL036429.D
Acq: 2 Mar 2021 14:50

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	72.9	59.1	88.7
119	33.2	46.3	69.5

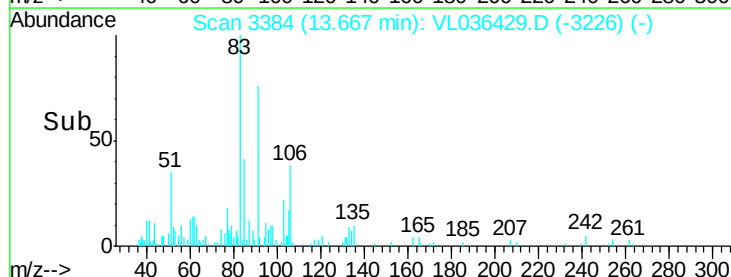
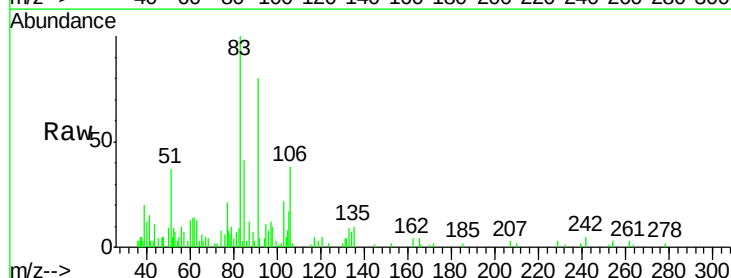
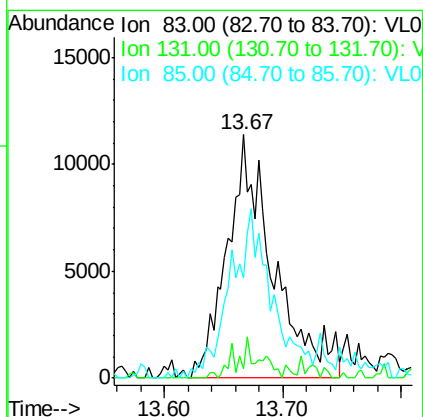
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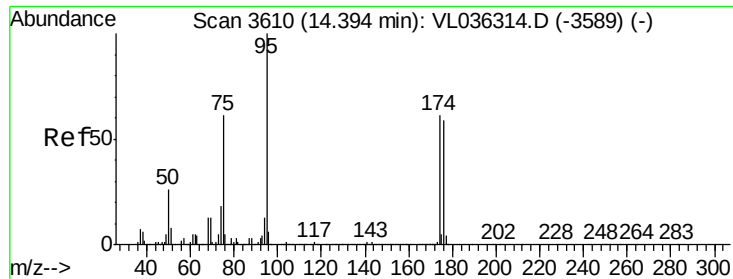
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#63
1,1,2,2-Tetrachloroethane
Concen: 0.110 ppbv m
RT: 13.67 min Scan# 3384
Delta R.T. 0.01 min
Lab File: VL036429.D
Acq: 2 Mar 2021 14:50

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.7	14.0
85	74.2	33.0	98.9





#68

1-Bromo-4-Fluorobenzene

Concen: 9.811 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.01 min

Lab File: VL036429.D

Acq: 2 Mar 2021 14:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion: 95 Resp: 2494660

Ion Ratio Lower Upper

95 100

174 62.9 49.8 74.6

175 4.6 3.7 5.5

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