

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022521\
 Data File : VL036393.D
 Acq On : 25 Feb 2021 22:36
 Operator : SY/AP
 Sample : M1458-13 0.03LOD
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:03:21 AM

Quant Time: Feb 26 11:04:03 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	1426403	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3088319	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2760550	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2354705	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds					Ovalue
5) Vinyl Chloride	3.25	62	4352m	0.055	ppbv
32) 1,1,1-Trichloroethane	6.49	97	10962m	0.053	ppbv
35) Carbon Tetrachloride	6.99	117	9085m	0.044	ppbv
38) Trichloroethene	7.81	130	4383m	0.047	ppbv
52) Tetrachloroethene	11.20	164	4056m	0.042	ppbv
63) 1,1,2,2-Tetrachloroethane	13.66	83	14486m	0.058	ppbv

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

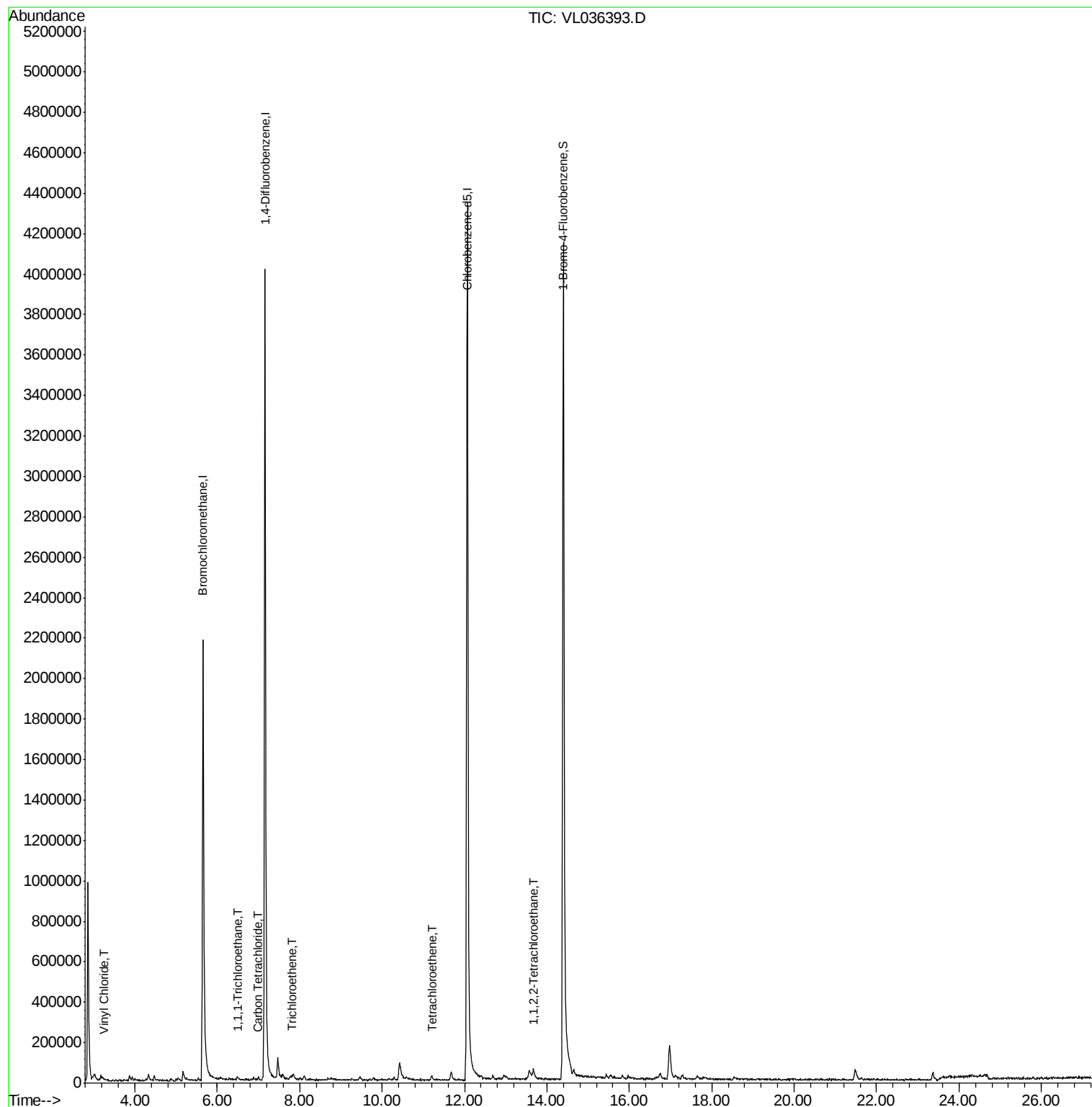
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022521\
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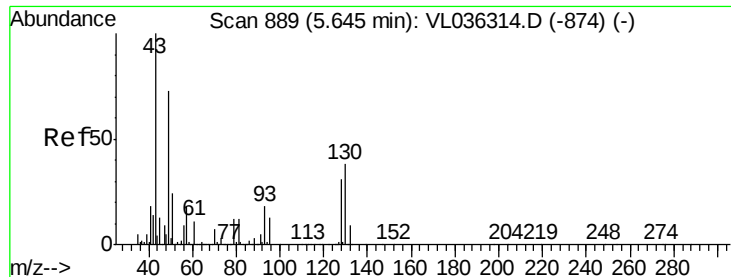
Instrument :
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QLast Update : Wed Feb 10 16:04:02 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. 0.00 min

Lab File: VL036393.D

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Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion: 49 Resp: 1426403

Ion Ratio Lower Upper

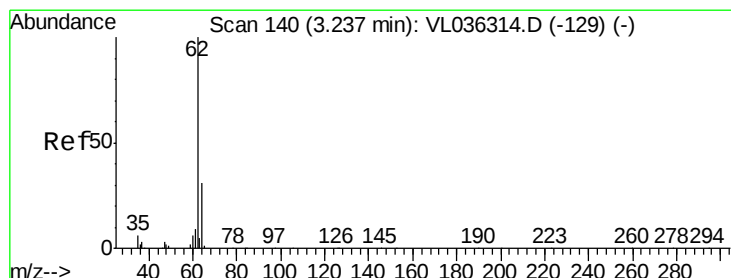
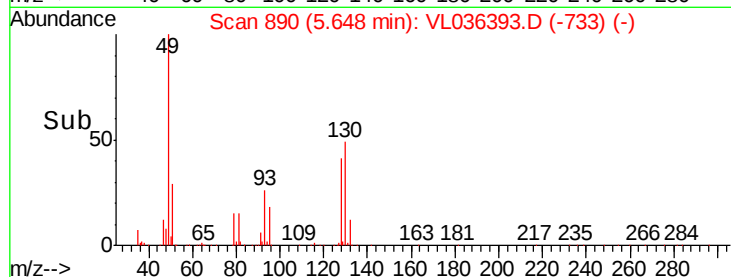
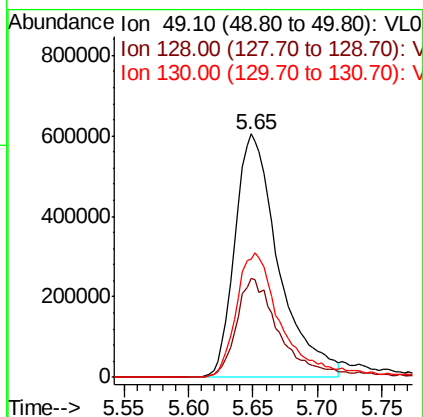
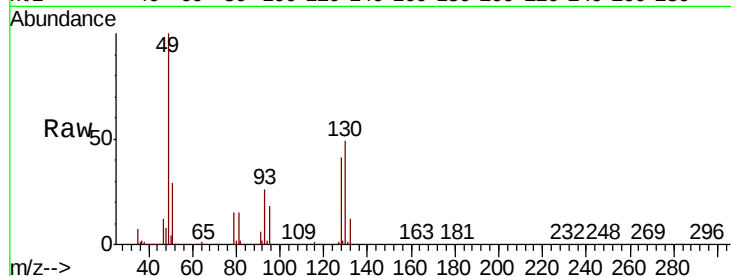
49 100

128 42.6 20.8 62.5

130 54.1 26.7 80.1

Manual Integrations
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#5

Vinyl Chloride

Concen: 0.055 ppbv m

RT: 3.25 min Scan# 144

Delta R.T. 0.01 min

Lab File: VL036393.D

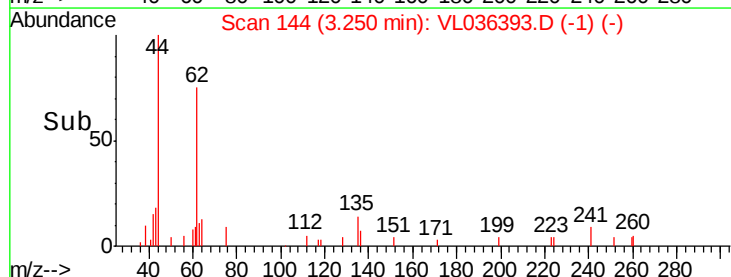
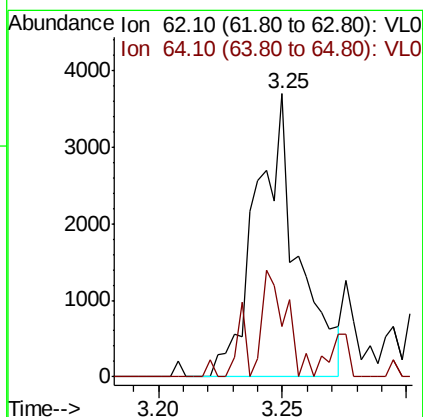
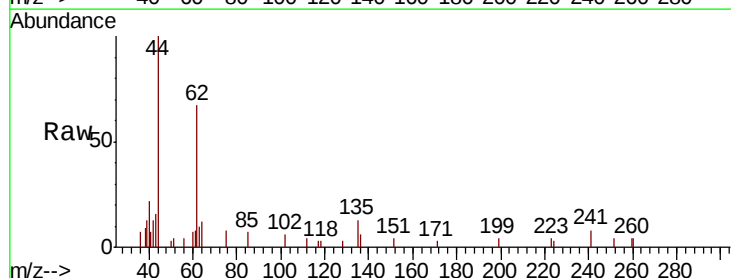
Acq: 25 Feb 2021 22:36

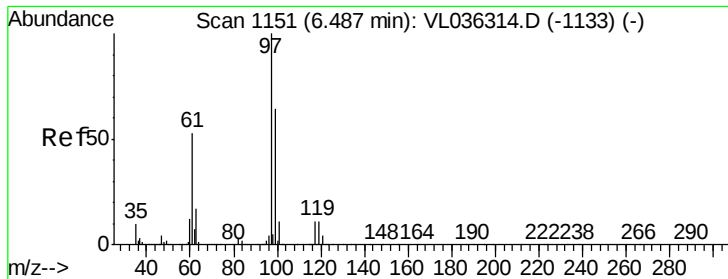
Tgt Ion: 62 Resp: 4352

Ion Ratio Lower Upper

62 100

64 17.9 24.4 36.6#





#32

1,1,1-Trichloroethane

Concen: 0.053 ppbv m

RT: 6.49 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VL036393.D

Acq: 25 Feb 2021 22:36

Instrument :

MSVOA_L

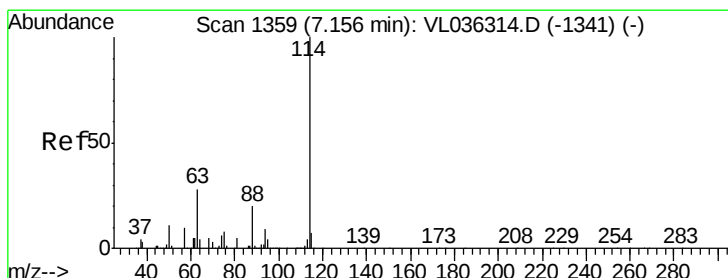
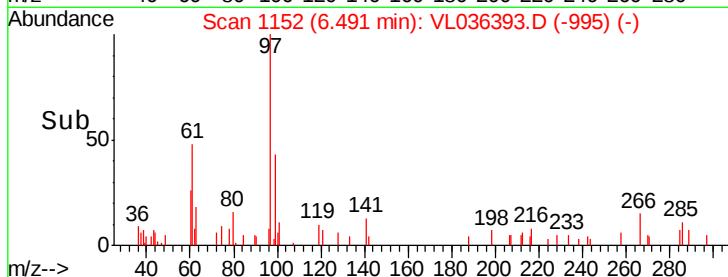
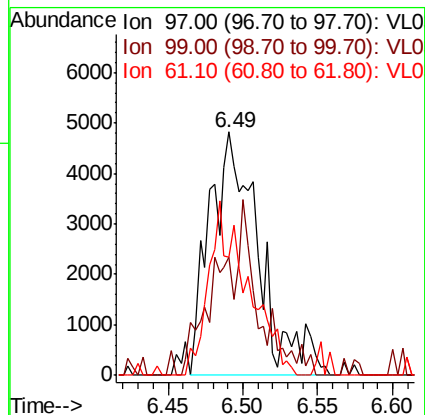
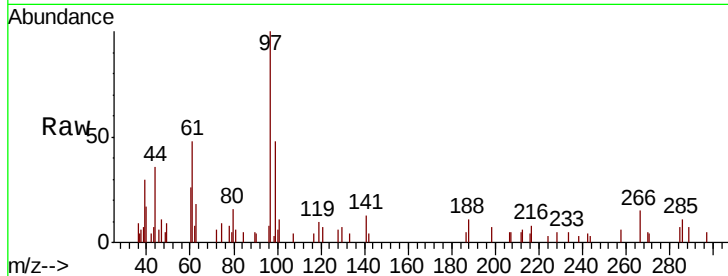
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion:	97	Resp:	10962
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.2	78.4#
61	0.0	43.3	64.9#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

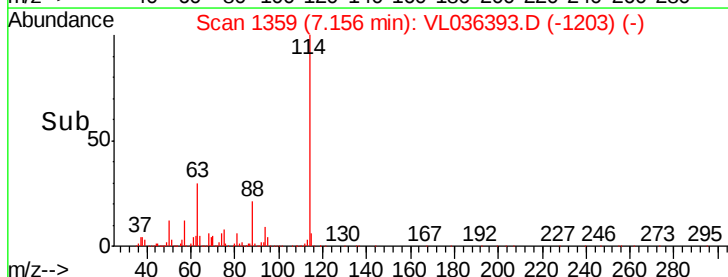
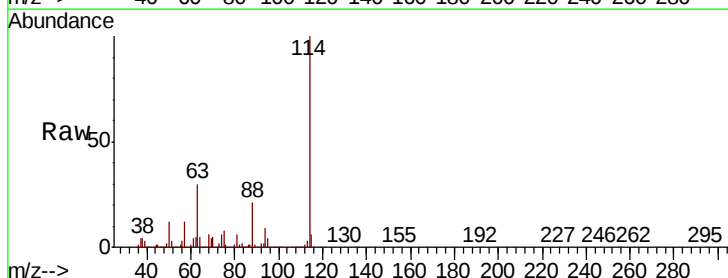
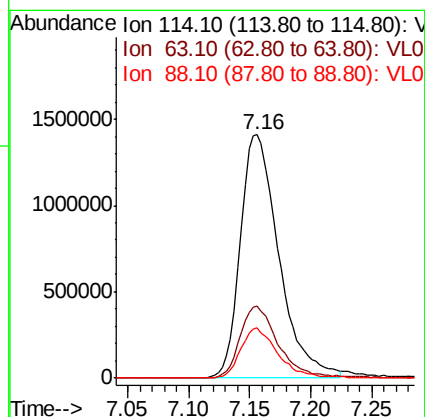
RT: 7.16 min Scan# 1359

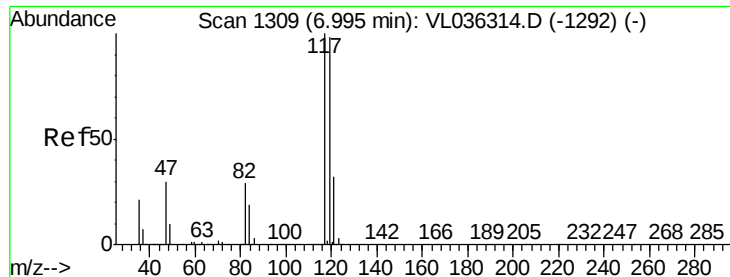
Delta R.T. 0.00 min

Lab File: VL036393.D

Acq: 25 Feb 2021 22:36

Tgt Ion:	114	Resp:	3088319
Ion Ratio	Lower	Upper	
114	100		
63	30.2	24.1	36.1
88	20.3	16.0	24.0





#35

Carbon Tetrachloride

Concen: 0.044 ppbv m

RT: 6.99 min Scan# 1308

Delta R.T. -0.00 min

Lab File: VL036393.D

Acq: 25 Feb 2021 22:36

Instrument :

MSVOA_L

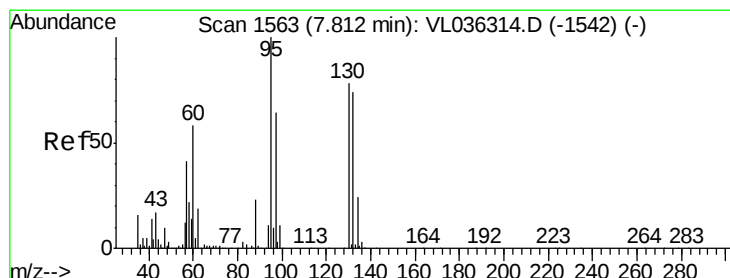
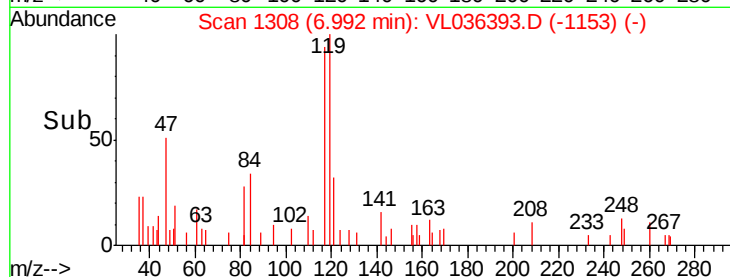
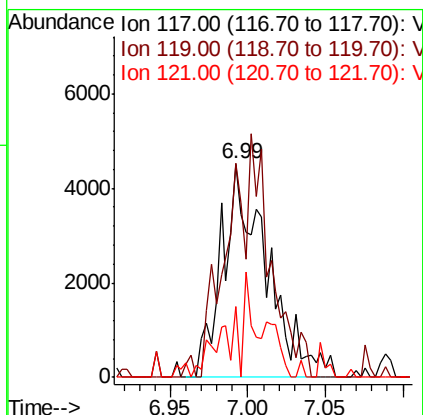
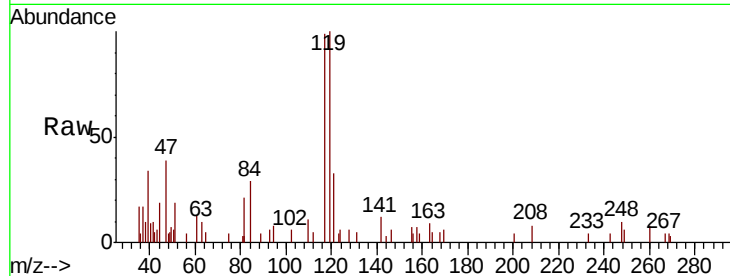
ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion:	117	Resp:	9085
Ion Ratio	Lower	Upper	
117	100		
119	100.8	78.1	117.1
121	33.2	25.8	38.8

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#38

Trichloroethene

Concen: 0.047 ppbv m

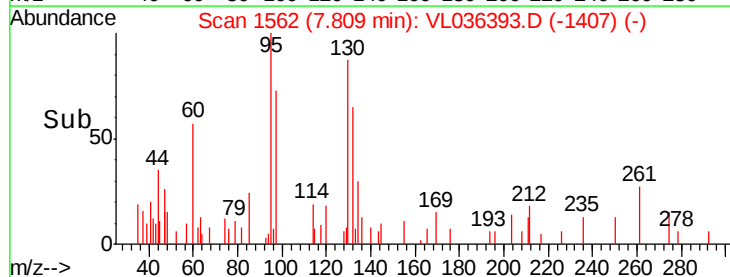
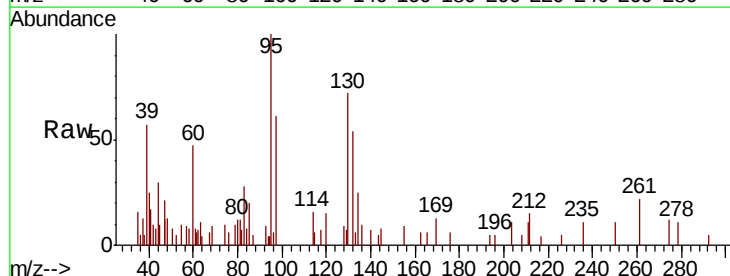
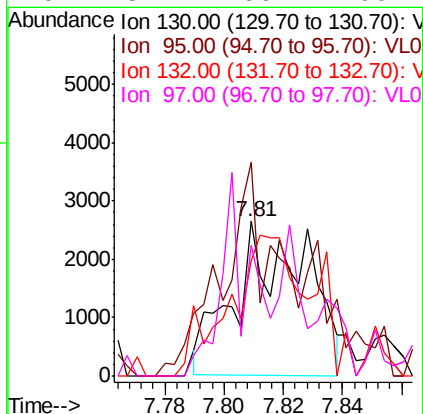
RT: 7.81 min Scan# 1562

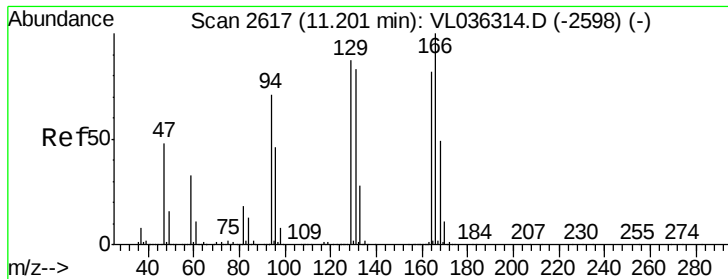
Delta R.T. -0.00 min

Lab File: VL036393.D

Acq: 25 Feb 2021 22:36

Tgt Ion:	130	Resp:	4383
Ion Ratio	Lower	Upper	
130	100		
95	138.4	102.8	154.2
132	74.3	75.7	113.5#
97	84.4	66.2	99.2





#52

Tetrachloroethene

Concen: 0.042 ppbv m

RT: 11.20 min Scan# 2617

Delta R.T. 0.00 min

Lab File: VL036393.D

Acq: 25 Feb 2021 22:36

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion:164 Resp: 4056

Ion Ratio Lower Upper

164 100

166 97.3 97.8 146.8#

129 84.0 84.9 127.3#

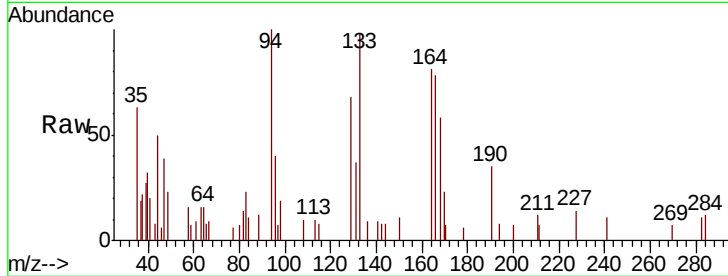
131 45.4 81.4 122.2#

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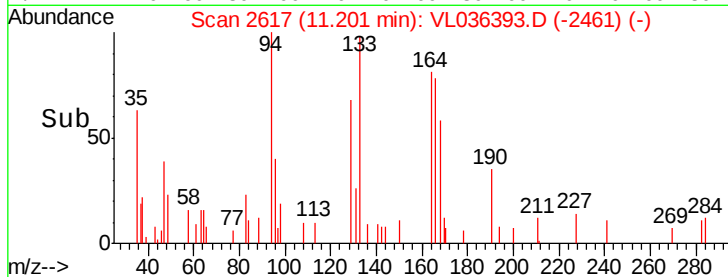
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

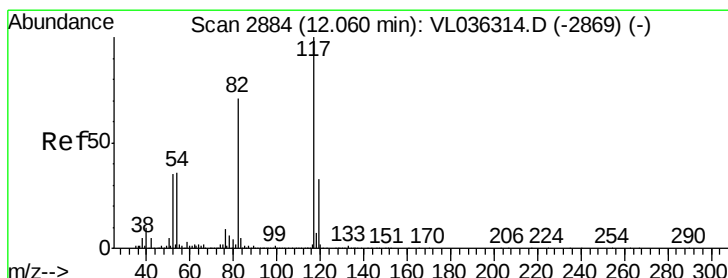
Ion 131.00 (130.70 to 131.70): V

Time-->



Abundance

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. 0.01 min

Lab File: VL036393.D

Acq: 25 Feb 2021 22:36

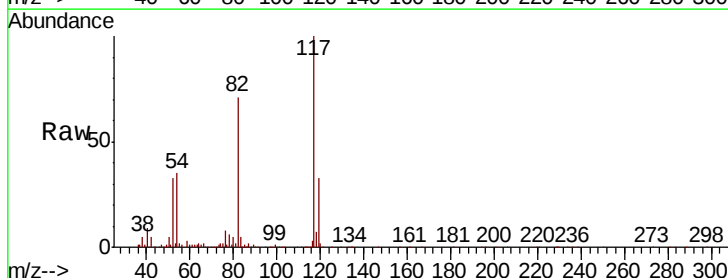
Tgt Ion:117 Resp: 2760550

Ion Ratio Lower Upper

117 100

82 76.4 59.1 88.7

119 34.8 46.3 69.5#

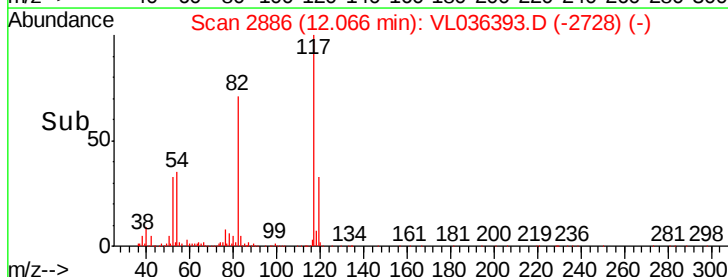


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

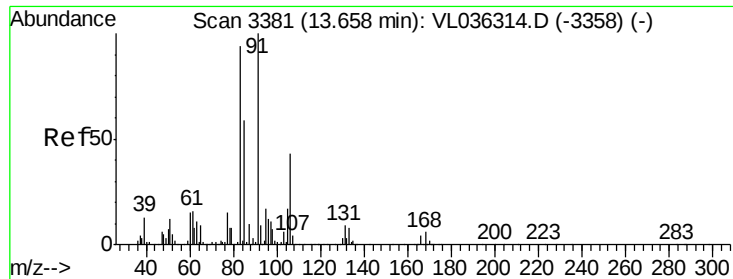
Ion 119.10 (118.80 to 119.80): V

Time-->



Abundance

Time-->



#63

1,1,2,2-Tetrachloroethane

Concen: 0.058 ppbv m

RT: 13.66 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VL036393.D

Acq: 25 Feb 2021 22:36

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tot Ion: 83 Resp: 14486

Ion Ratio Lower Upper

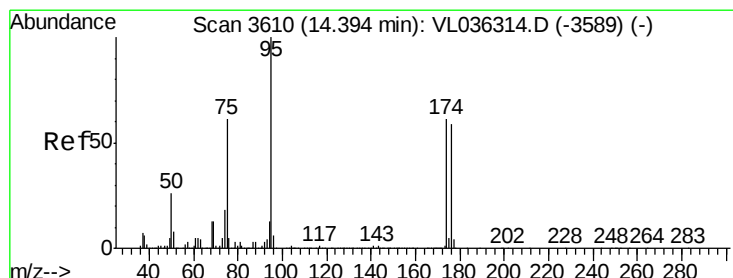
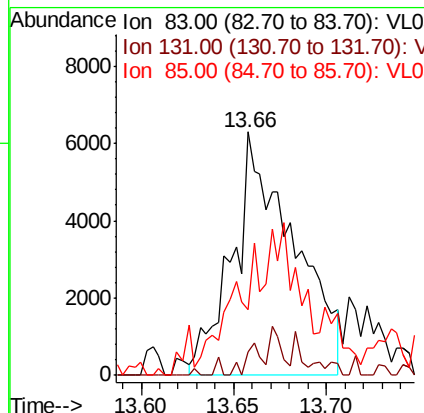
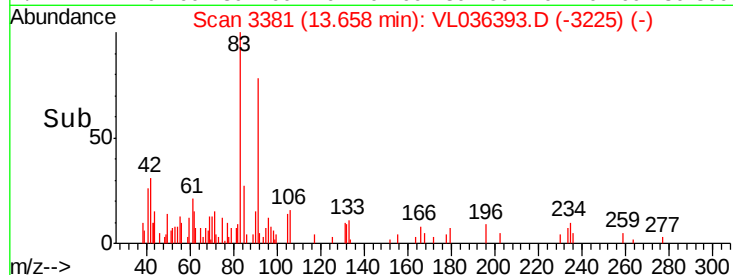
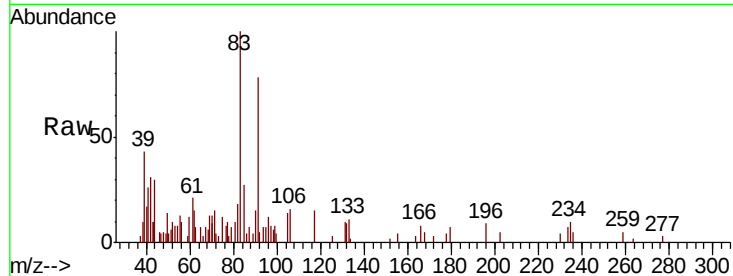
83 100

131 0.0 4.7 14.0#

85 0.0 33.0 98.9#

Manual Integrations
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3/1/2021 10:03:21 AM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.367 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL036393.D

Acq: 25 Feb 2021 22:36

Tgt Ion: 95 Resp: 2354705

Ion Ratio Lower Upper

95 100

174 60.4 49.8 74.6

175 4.4 3.7 5.5

