

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036918.D
 Acq On : 7 May 2021 14:16
 Operator : SY/AP
 Sample : M2262-15 0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Manual Integrations
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 5/10/2021 3:34:34 PM

Quant Time: May 08 04:38:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 2
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1179248	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2802980	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2390687	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1874697	9.77	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	4131m	0.058	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	8647m	0.043	ppbv	
35) Carbon Tetrachloride	7.03	117	8833m	0.046	ppbv	
38) Trichloroethene	7.85	130	3725m	0.044	ppbv	
52) Tetrachloroethene	11.23	164	2565m	0.032	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.69	83	9519m	0.045	ppbv	

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

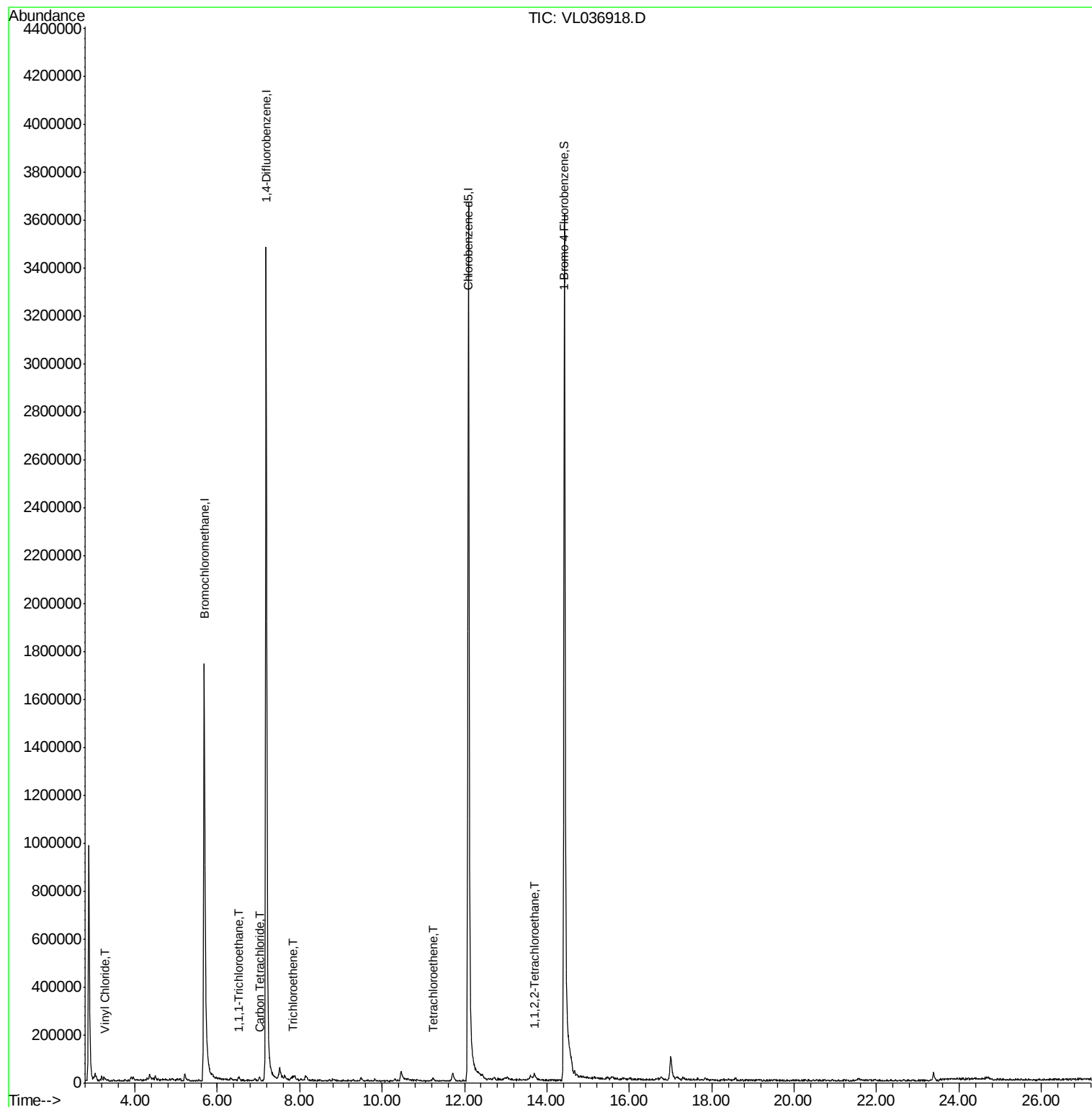
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050721\
Data File : VL036918.D
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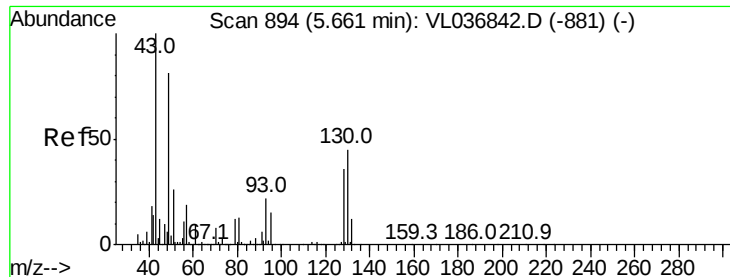
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QLast Update : Tue Apr 27 16:56:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.02 min

Lab File: VL036918.D

Acq: 7 May 2021 14:16

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 49 Resp: 1179248

Ion Ratio Lower Upper

49 100

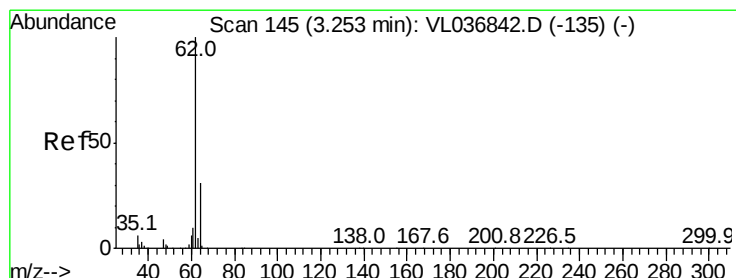
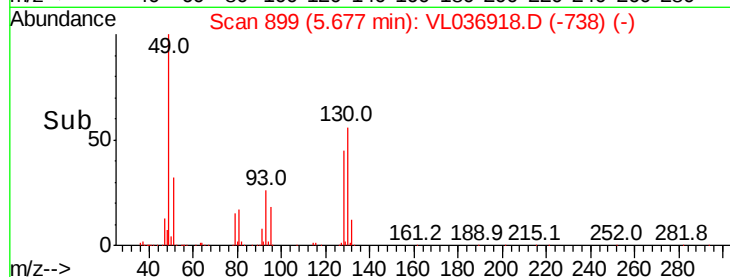
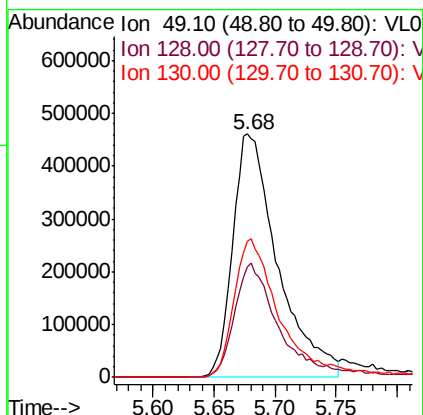
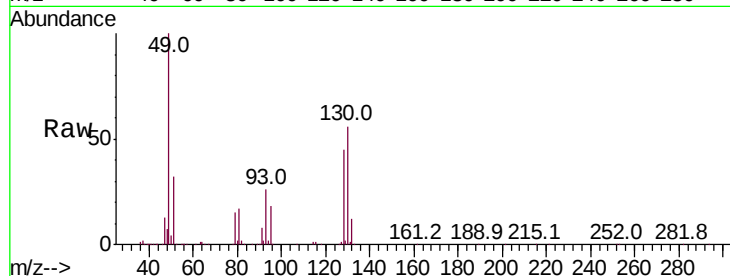
128 48.1 24.4 73.2

130 60.6 30.3 90.8

Manual Integrations
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#5

Vinyl Chloride

Concen: 0.058 ppbv m

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL036918.D

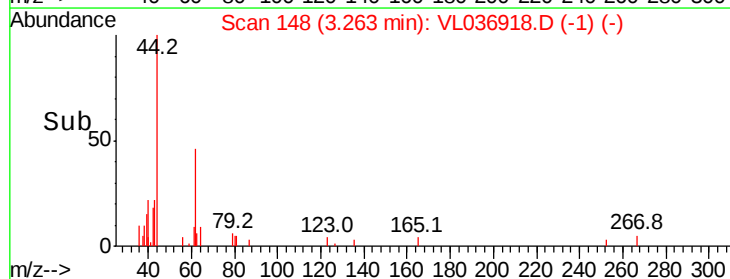
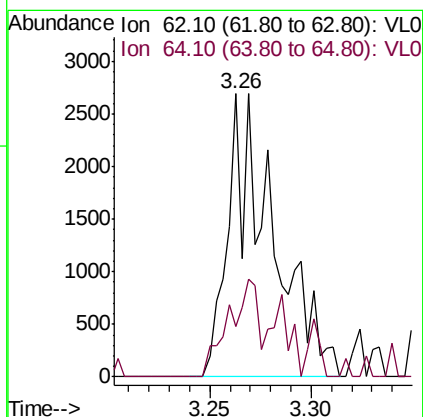
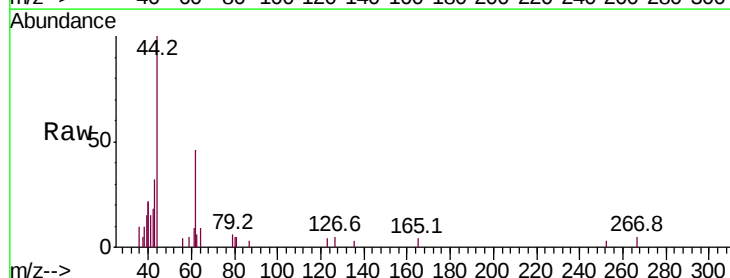
Acq: 7 May 2021 14:16

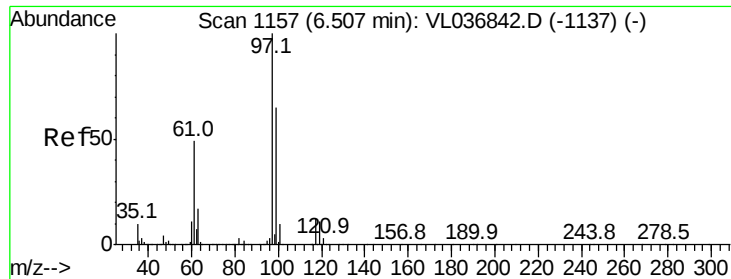
Tgt Ion: 62 Resp: 4131

Ion Ratio Lower Upper

62 100

64 20.0 25.0 37.4#





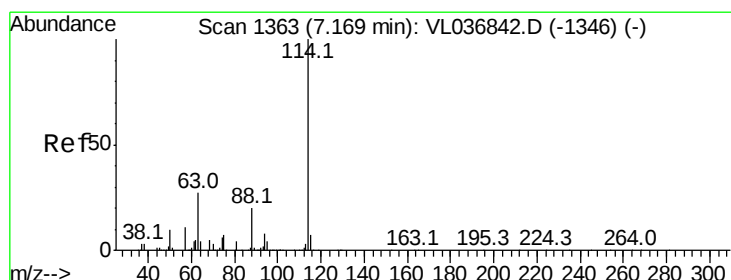
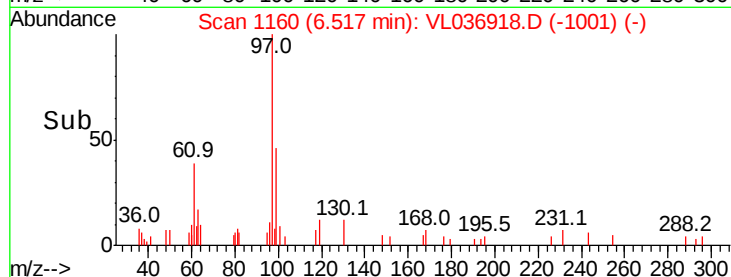
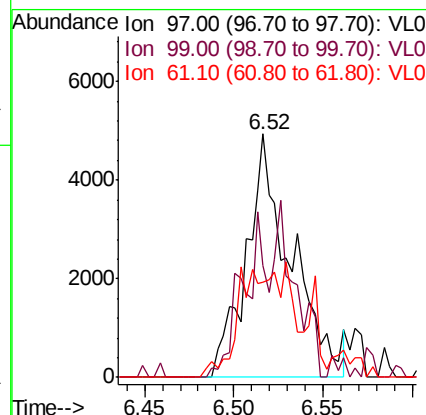
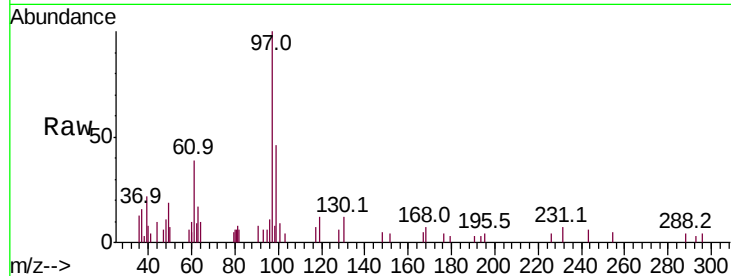
#32
 1,1,1-Trichloroethane
 Concen: 0.043 ppbv m
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: VL036918.D
 Acq: 7 May 2021 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
97	100		
99	73.0	51.8	77.6
61	67.2	40.8	61.2#

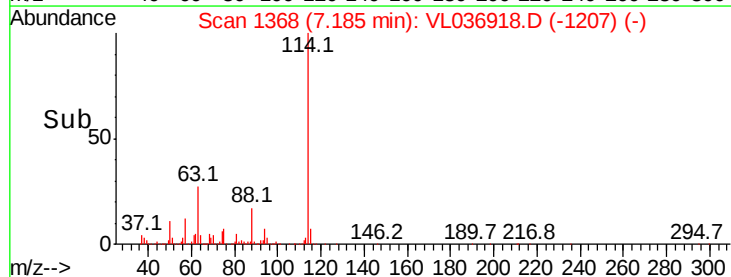
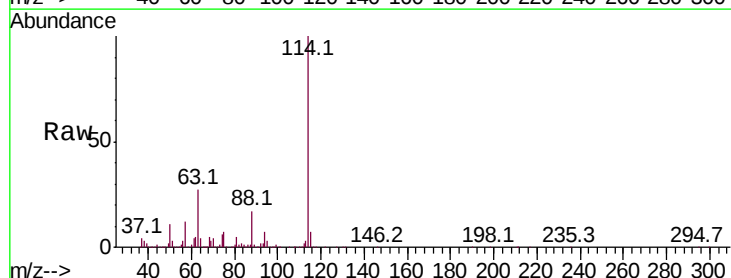
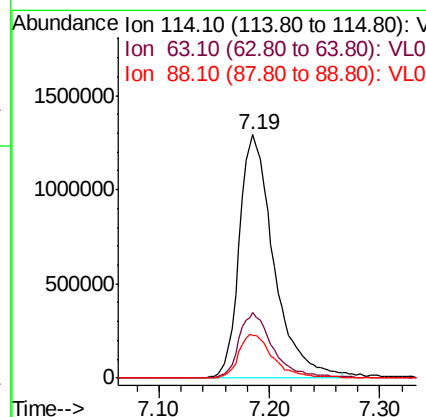
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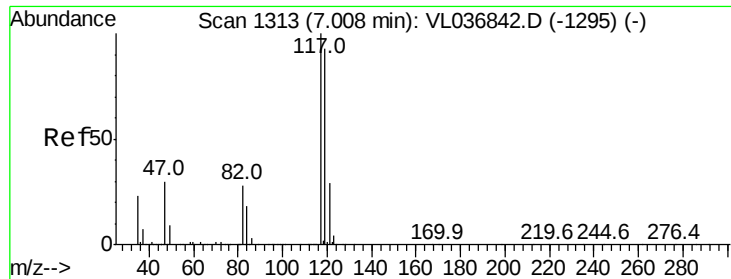
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.02 min
 Lab File: VL036918.D
 Acq: 7 May 2021 14:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.3	21.9	32.9
88	18.3	15.1	22.7





#35

Carbon Tetrachloride

Concen: 0.046 ppbv m

RT: 7.03 min Scan# 1319

Delta R.T. 0.02 min

Lab File: VL036918.D

Acq: 7 May 2021 14:16

Instrument :

MSVOA_L

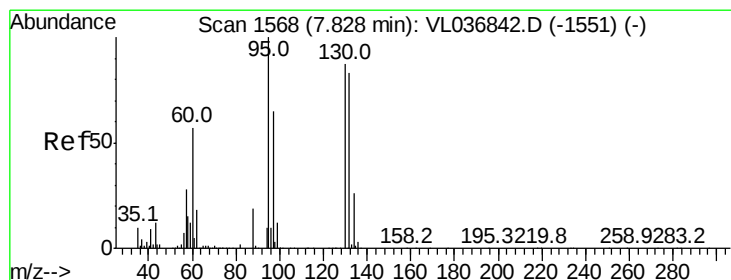
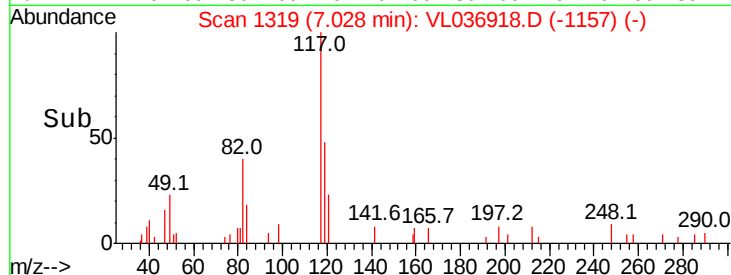
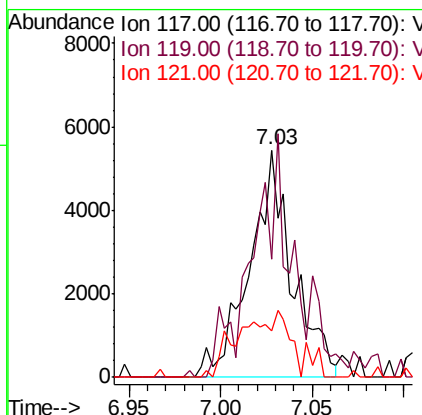
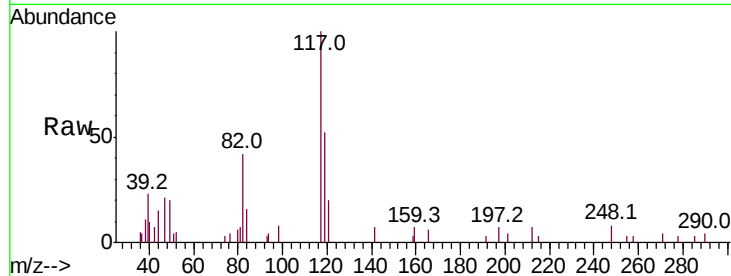
ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:	117	Resp:	8833
Ion Ratio	Lower	Upper	
117	100		
119	51.9	74.6	111.8#
121	20.3	23.3	34.9#

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#38

Trichloroethene

Concen: 0.044 ppbv m

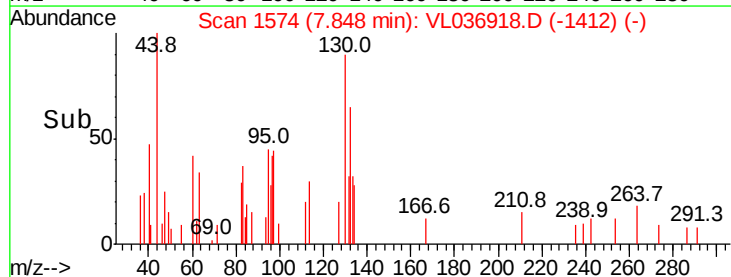
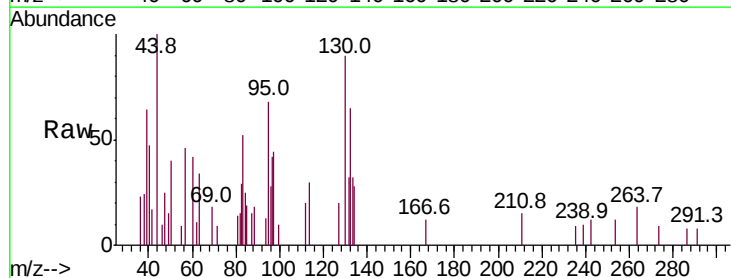
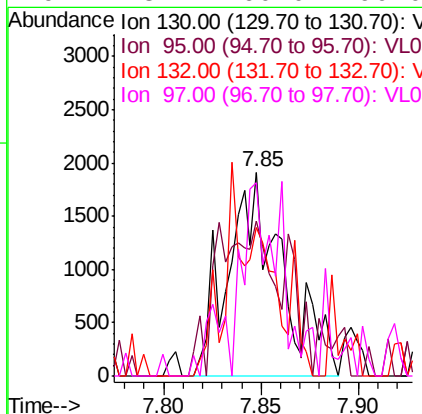
RT: 7.85 min Scan# 1574

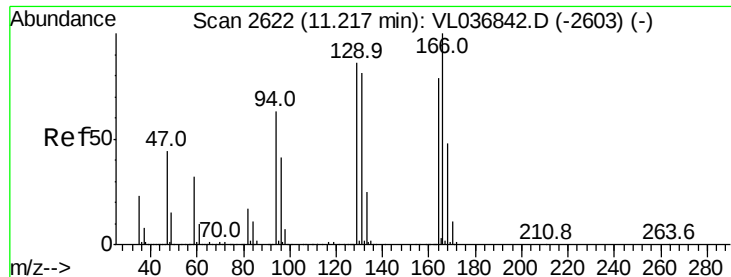
Delta R.T. 0.02 min

Lab File: VL036918.D

Acq: 7 May 2021 14:16

Tgt Ion:	130	Resp:	3725
Ion Ratio	Lower	Upper	
130	100		
95	76.0	92.3	138.5#
132	72.8	76.8	115.2#
97	48.7	60.0	90.0#





#52

Tetrachloroethene

Concen: 0.032 ppbv m

RT: 11.23 min Scan# 2626

Delta R.T. 0.01 min

Lab File: VL036918.D

Acq: 7 May 2021 14:16

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:164 Resp: 2565

Ion Ratio Lower Upper

164 100

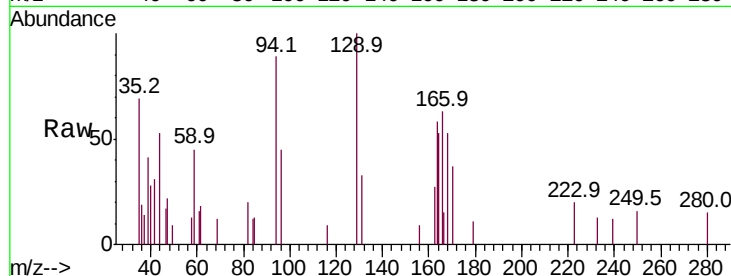
166 109.0 100.9 151.3

129 171.9 87.0 130.4#

131 56.8 81.7 122.5#

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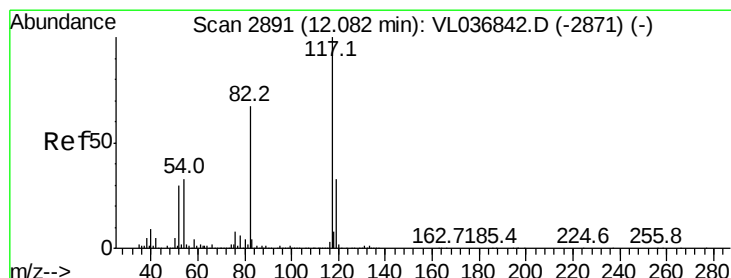
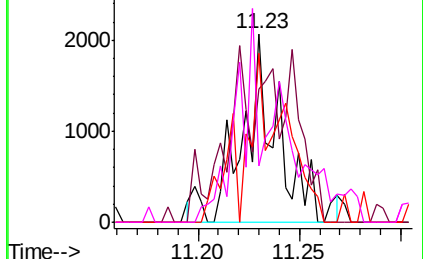
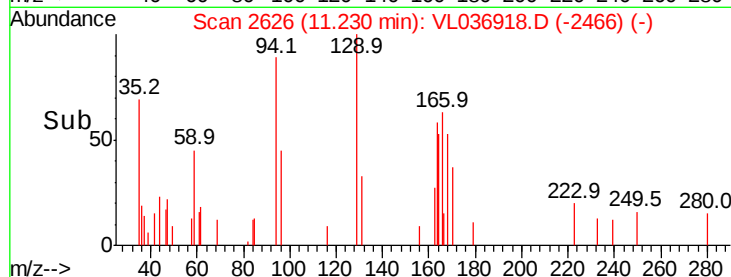


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.10 min Scan# 2895

Delta R.T. 0.01 min

Lab File: VL036918.D

Acq: 7 May 2021 14:16

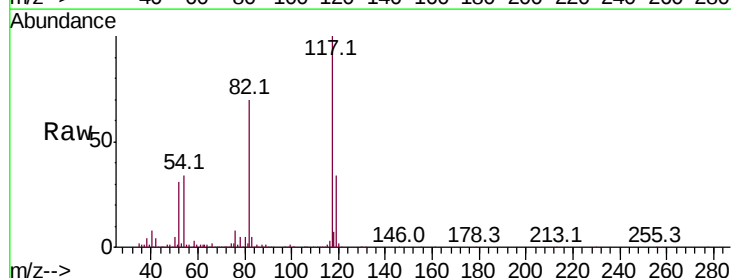
Tgt Ion:117 Resp: 2390687

Ion Ratio Lower Upper

117 100

82 71.9 53.5 80.3

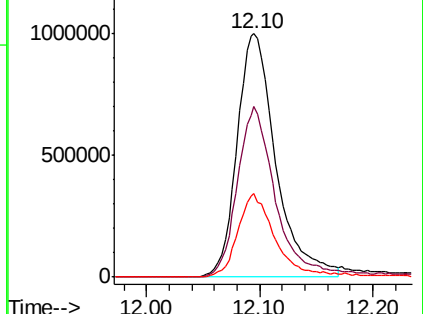
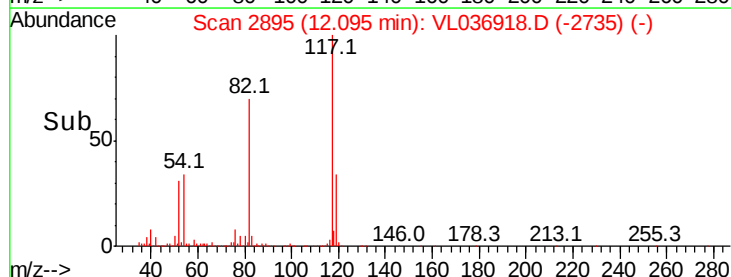
119 33.4 25.6 38.4

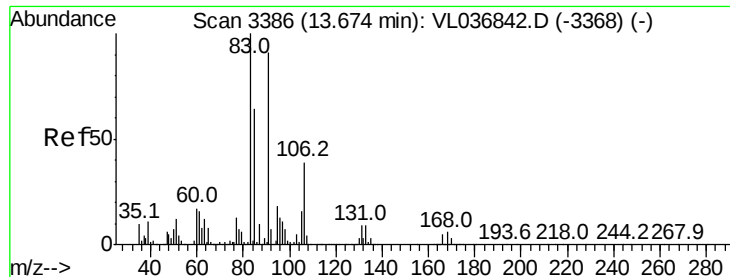


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





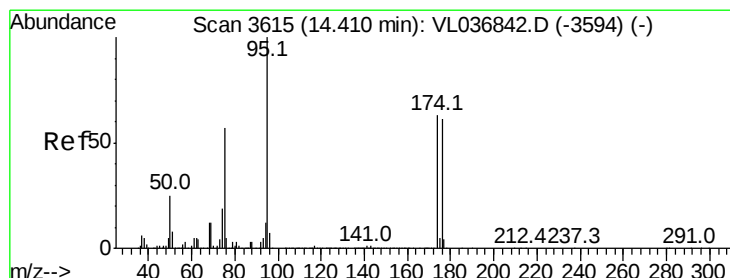
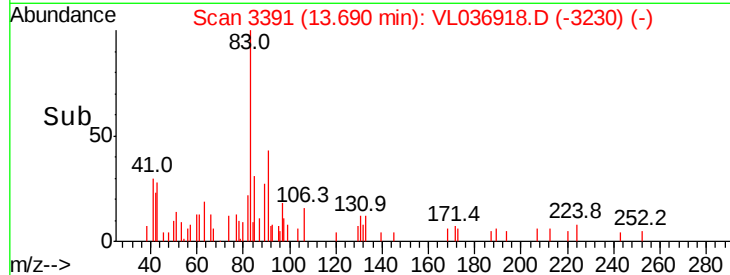
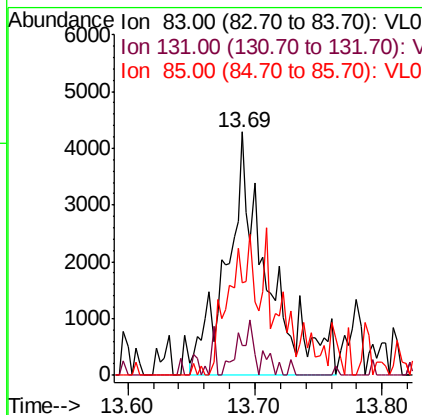
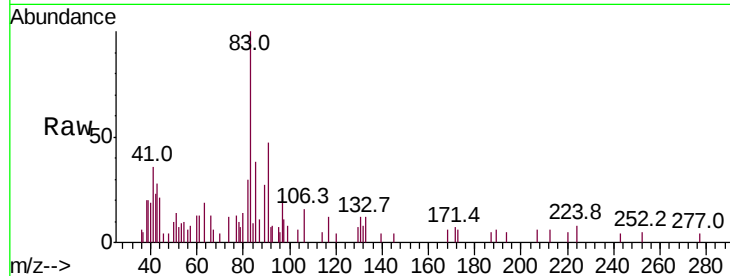
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.045 ppbv m
 RT: 13.69 min Scan# 3391
 Delta R.T. 0.02 min
 Lab File: VL036918.D
 Acq: 7 May 2021 14:16

Instrument :
 MSVOA_L
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 MDL-AIR-03-QT2-2021

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	0.0	32.8	98.4#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.769 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. 0.01 min
 Lab File: VL036918.D
 Acq: 7 May 2021 14:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.2	52.2	78.2
175	4.8	4.0	6.0

