

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
 Data File : VL039711.D
 Acq On : 11 Oct 2022 00:45
 Operator : SY/AP
 Sample : N4955-15 MDL 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

Quant Time: Oct 11 07:25:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

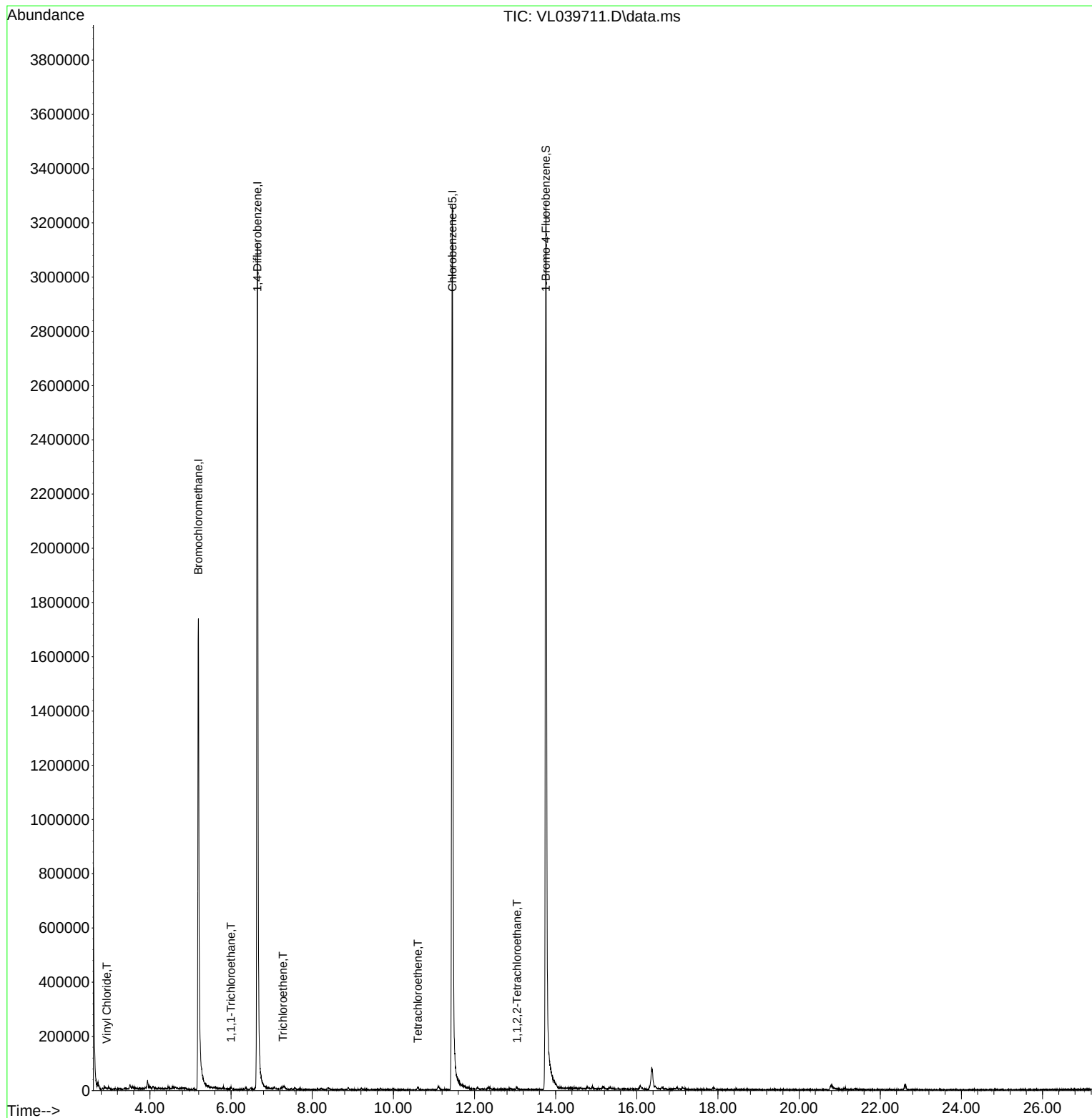
Internal Standards						
1) Bromochloromethane	5.192	49	948578	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2500866	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	2190448	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	1599939	9.785	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.935	62	1712m	0.030	ppbv	
32) 1,1,1-Trichloroethane	5.999	97	4375m	0.034	ppbv	
38) Trichloroethene	7.275	130	3680m	0.036	ppbv	
52) Tetrachloroethene	10.600	164	2307m	0.032	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.047	83	2782m	0.032	ppbv	

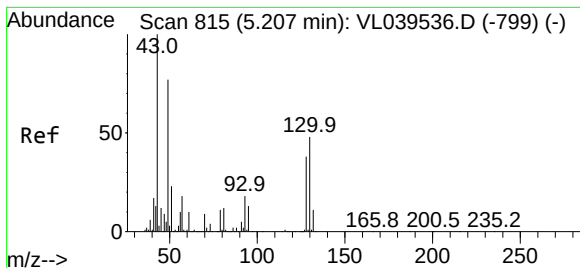
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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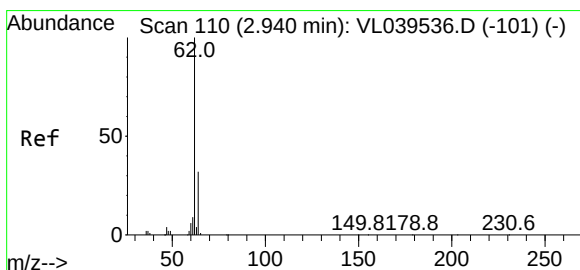
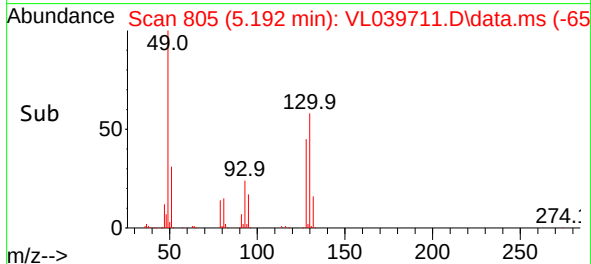
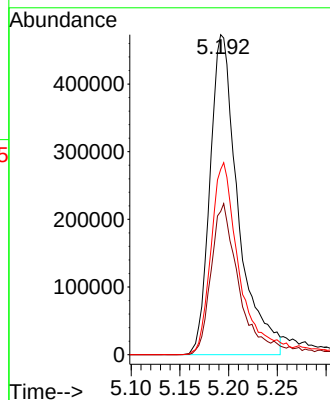
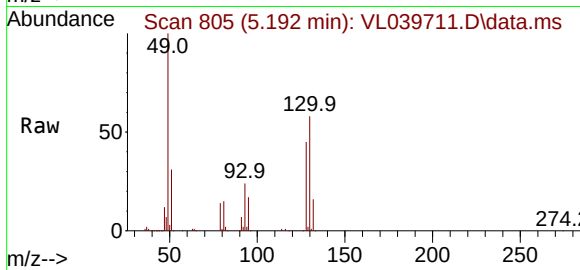




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.015 min
Lab File: VL039711.D
Acq: 11 Oct 2022 00:45

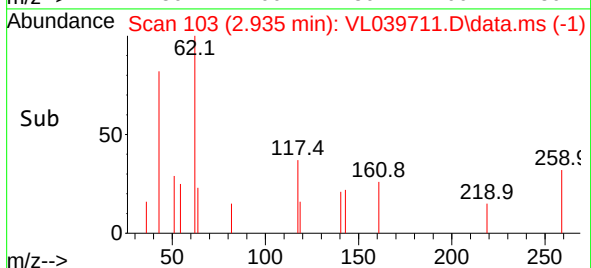
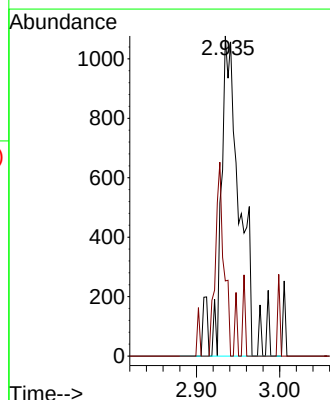
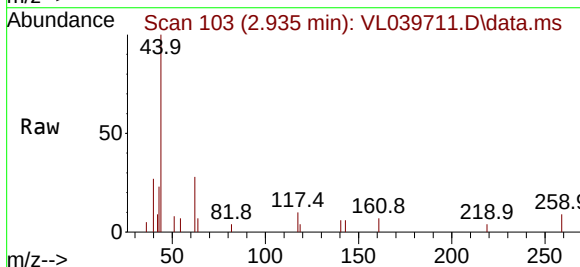
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

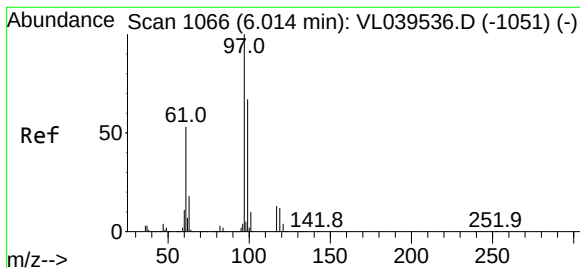
Tgt Ion: 49 Resp: 948578
Ion Ratio Lower Upper
49 100
128 50.7 26.7 80.0
130 65.5 34.3 102.8



#5
Vinyl Chloride
Concen: 0.030 ppbv m
RT: 2.935 min Scan# 103
Delta R.T. -0.006 min
Lab File: VL039711.D
Acq: 11 Oct 2022 00:45

Tgt Ion: 62 Resp: 1712
Ion Ratio Lower Upper
62 100
64 0.0 24.6 36.8#





#32

1,1,1-Trichloroethane

Concen: 0.034 ppbv m

RT: 5.999 min Scan# 1056

Delta R.T. -0.015 min

Lab File: VL039711.D

Acq: 11 Oct 2022 00:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

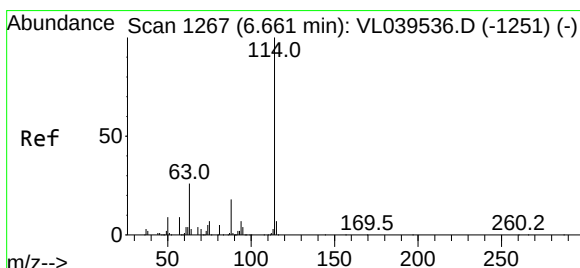
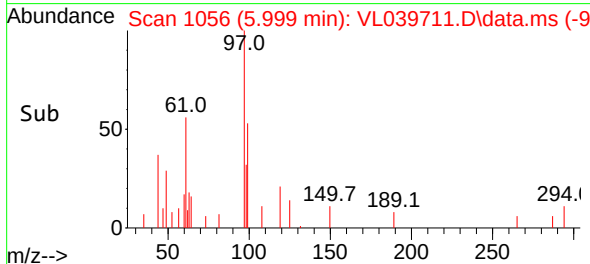
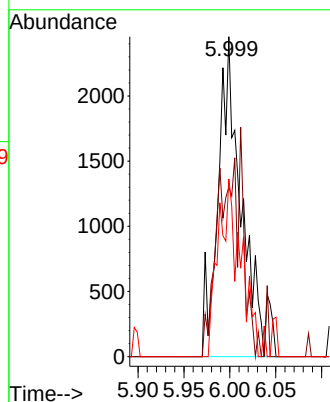
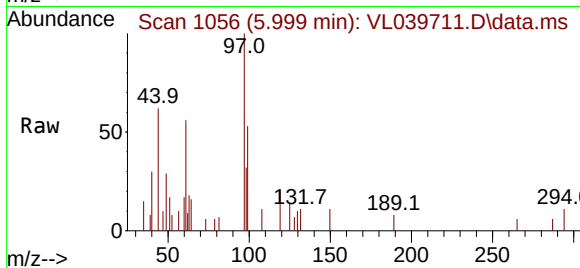
Tgt Ion: 97 Resp: 4375

Ion Ratio Lower Upper

97 100

99 67.5 52.3 78.5

61 56.5 40.9 61.3



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 1257

Delta R.T. -0.015 min

Lab File: VL039711.D

Acq: 11 Oct 2022 00:45

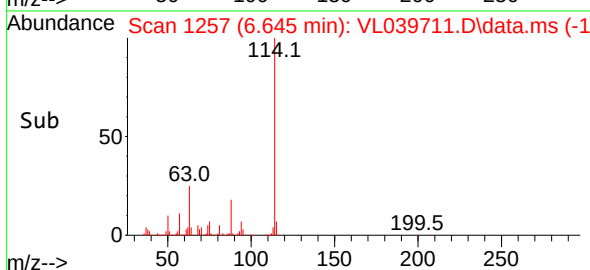
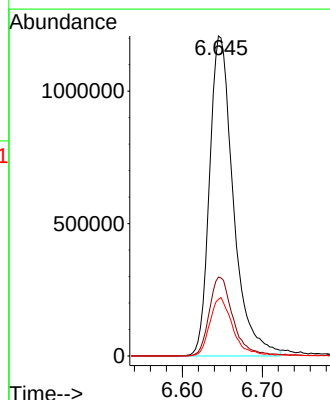
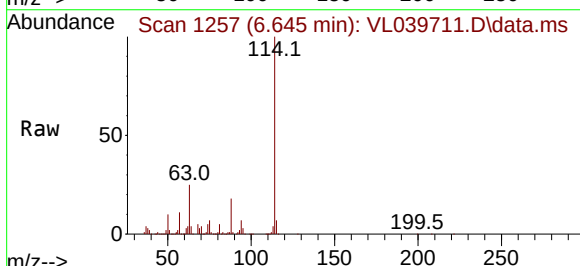
Tgt Ion: 114 Resp: 2500866

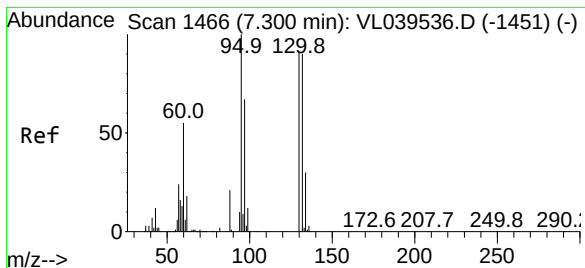
Ion Ratio Lower Upper

114 100

63 25.2 20.2 30.4

88 17.9 14.5 21.7





#38

Trichloroethene

Concen: 0.036 ppbv m

RT: 7.275 min Scan# 14

Delta R.T. -0.025 min

Lab File: VL039711.D

Acq: 11 Oct 2022 00:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

Tgt Ion:130 Resp: 3680

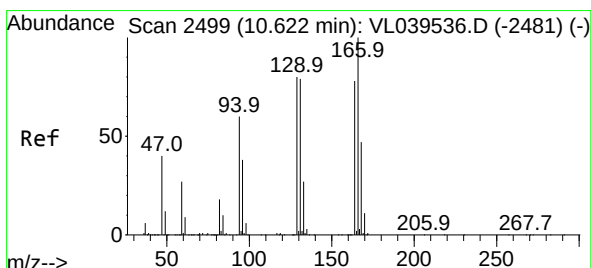
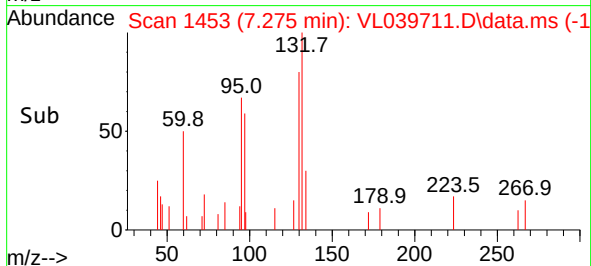
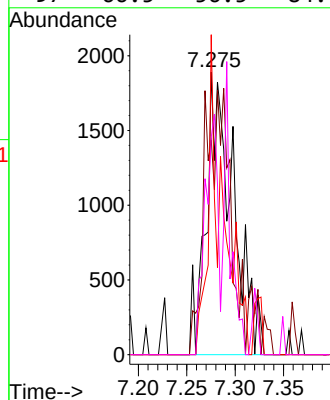
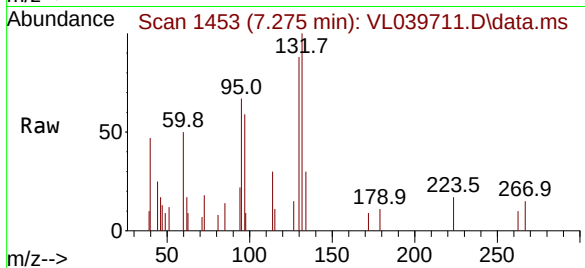
Ion Ratio Lower Upper

130 100

95 75.9 87.3 130.9#

132 113.2 76.7 115.1

97 66.5 56.5 84.7



#52

Tetrachloroethene

Concen: 0.032 ppbv m

RT: 10.600 min Scan# 2487

Delta R.T. -0.022 min

Lab File: VL039711.D

Acq: 11 Oct 2022 00:45

Tgt Ion:164 Resp: 2307

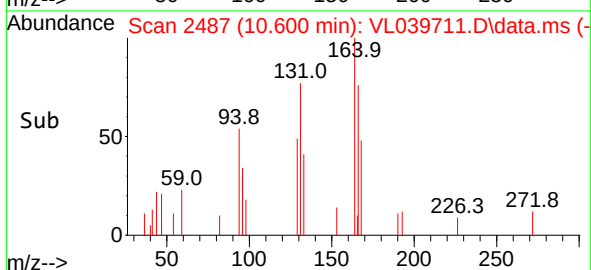
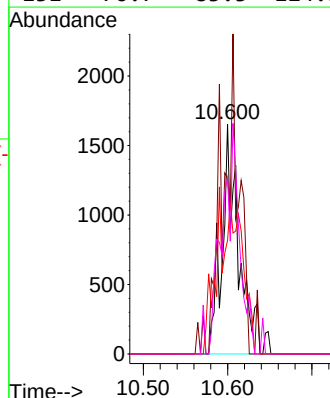
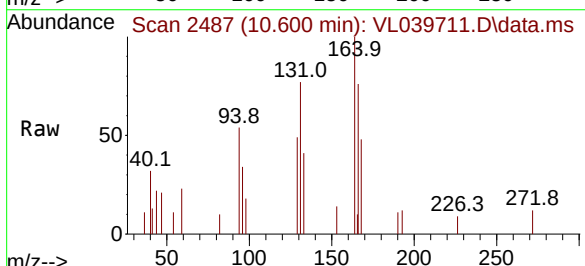
Ion Ratio Lower Upper

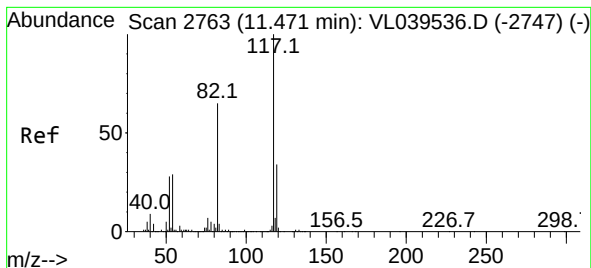
164 100

166 76.2 102.2 153.2#

129 49.5 85.8 128.8#

131 76.7 83.3 124.9#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.452 min Scan# 21

Delta R.T. -0.019 min

Lab File: VL039711.D

Acq: 11 Oct 2022 00:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

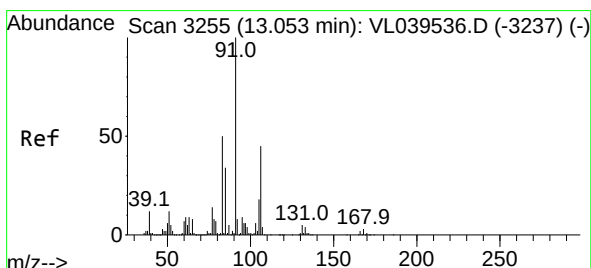
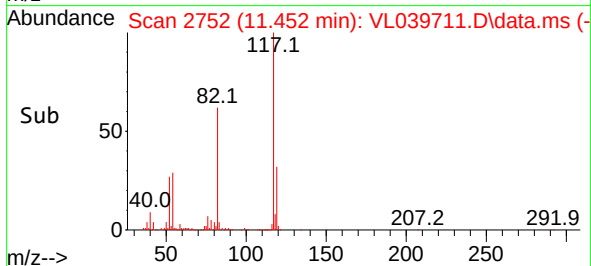
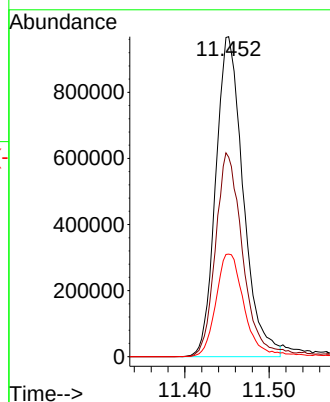
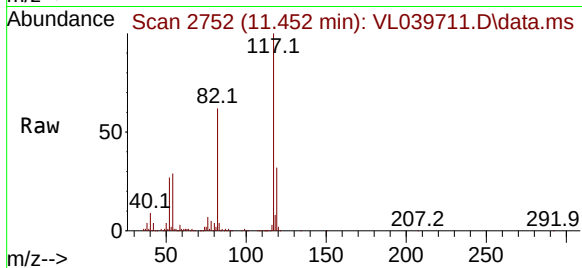
Tgt Ion:117 Resp: 2190448

Ion Ratio Lower Upper

117 100

82 64.7 50.8 76.2

119 33.7 24.1 36.1



#63

1,1,2,2-Tetrachloroethane

Concen: 0.032 ppbv m

RT: 13.047 min Scan# 3248

Delta R.T. -0.006 min

Lab File: VL039711.D

Acq: 11 Oct 2022 00:45

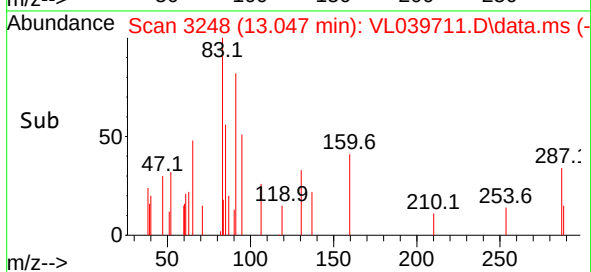
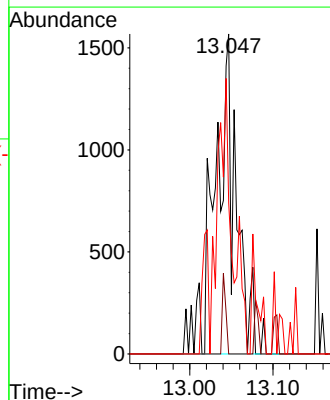
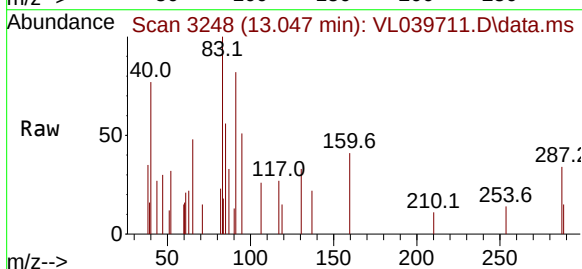
Tgt Ion: 83 Resp: 2782

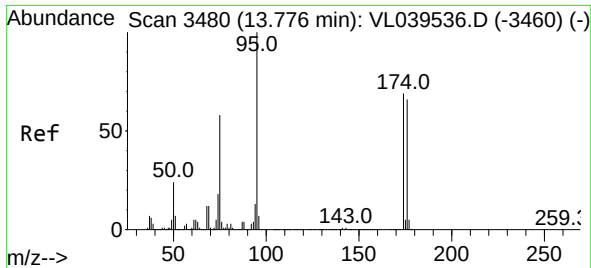
Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

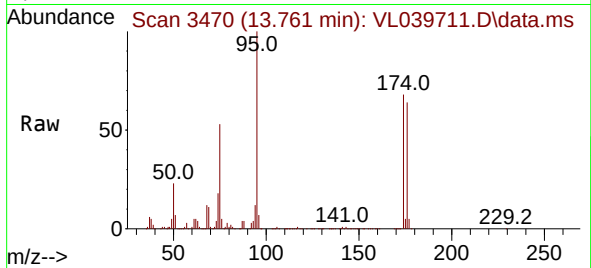
85 0.0 33.1 99.5#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.785 ppbv
 RT: 13.761 min Scan# 34
 Delta R.T. -0.015 min
 Lab File: VL039711.D
 Acq: 11 Oct 2022 00:45

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL



Tgt Ion: 95 Resp: 1599939

Ion	Ratio	Lower	Upper
95	100		
174	75.7	55.9	83.9
175	5.5	4.2	6.4

